

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130983.D
 Acq On : 04 Nov 2022 03:41
 Operator : CG\JU
 Sample : N5433-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-110222

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/04/2022
 Supervised By : Sohil Jodhani 11/04/2022

Quant Time: Nov 04 06:27:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	83135	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	274649	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	137502	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	258527	20.000	ng	0.00
76) Chrysene-d12	14.115	240	156527	20.000	ng	0.01
86) Perylene-d12	15.633	264	114030	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	204100	42.561	ng	0.00
7) Phenol-d6	6.539	99	241730	38.790	ng	0.00
23) Nitrobenzene-d5	7.481	82	136487	29.966	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	55565	48.005	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	246439	27.097	ng	0.00
79) Terphenyl-d14	13.051	244	269937	31.601	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.827	152	40555	3.267	ng	99
58) Fluorene	10.516	166	18009	2.056	ng	# 97
71) Phenanthrene	11.486	178	176559	13.232	ng	100
72) Anthracene	11.539	178	58579	4.451	ng	98
75) Fluoranthene	12.680	202	428928	30.255	ng	99
78) Pyrene	12.916	202	414891	31.417	ng	99
81) Benzo(a)anthracene	14.104	228	146676m	14.134	ng	
83) Chrysene	14.139	228	139432	13.929	ng	97
84) Bis(2-ethylhexyl)phtha...	14.086	149	23944	4.191	ng	# 88
87) Indeno(1,2,3-cd)pyrene	17.174	276	70824m	9.353	ng	
88) Benzo(b)fluoranthene	15.180	252	170906m	23.186	ng	
89) Benzo(k)fluoranthene	15.209	252	41266m	5.745	ng	
90) Benzo(a)pyrene	15.562	252	113730	19.193	ng	# 90
91) Dibenzo(a,h)anthracene	17.186	278	17339	2.809	ng	# 64
92) Benzo(g,h,i)perylene	17.645	276	75107	11.926	ng	# 94

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

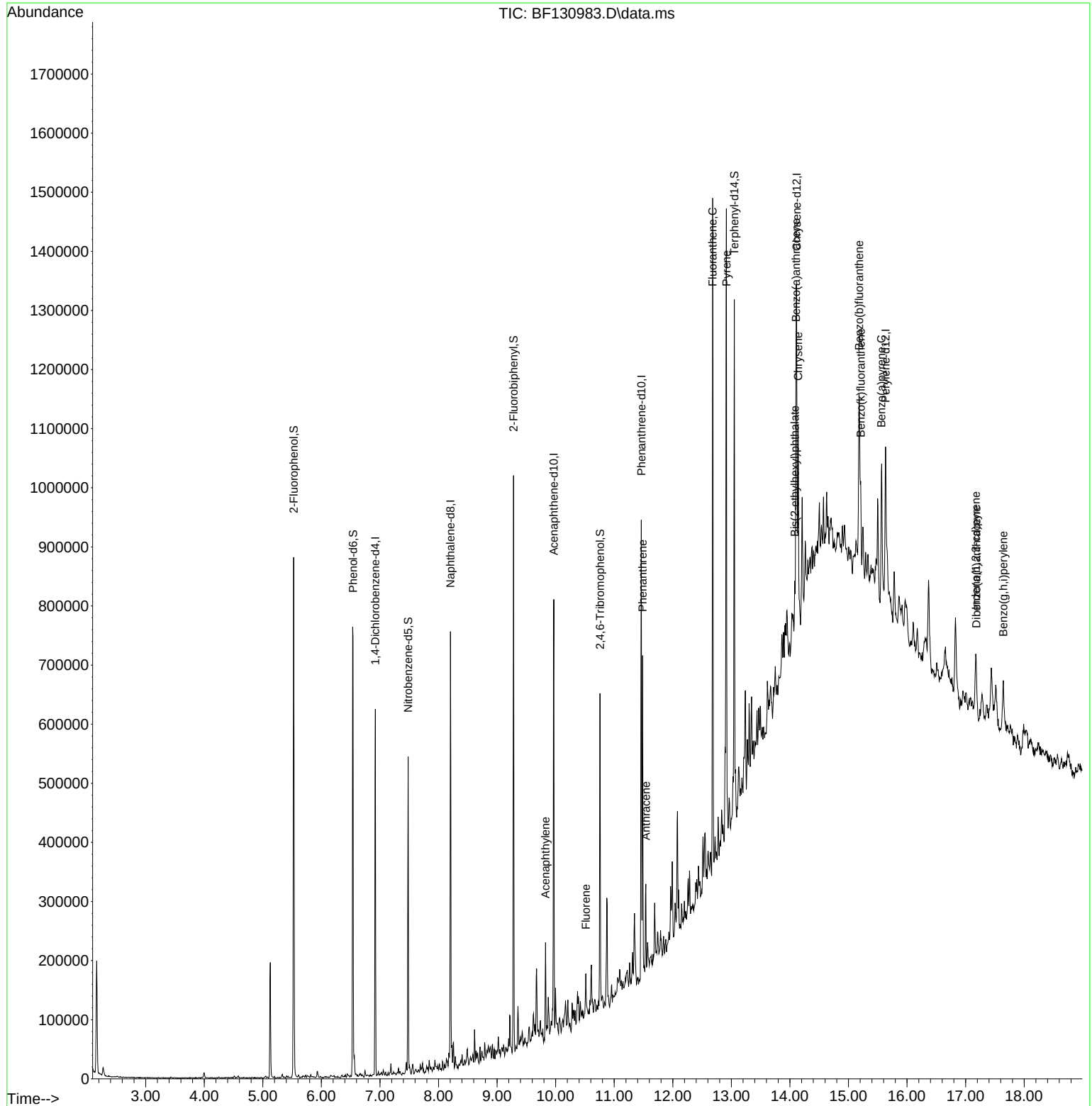
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
Data File : BF130983.D
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Operator : CG\JU
Sample : N5433-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

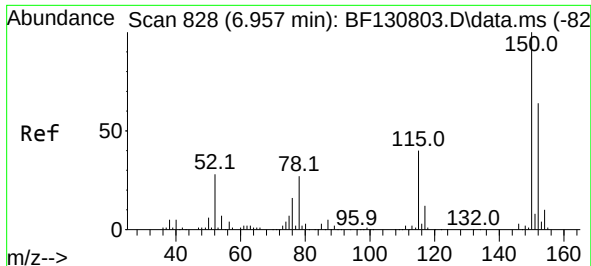
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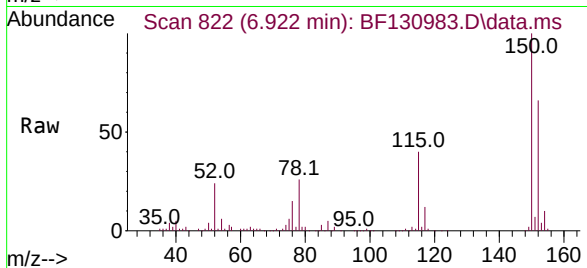
Quant Time: Nov 04 06:27:25 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 06:20:24 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

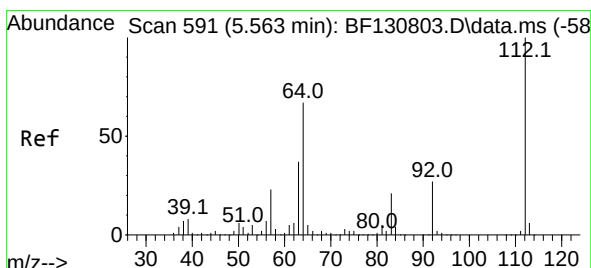
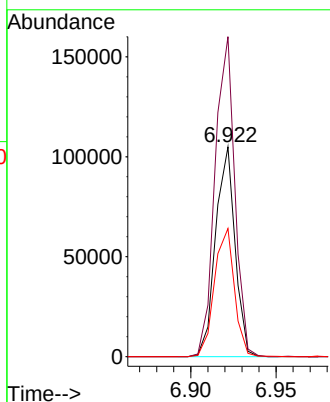
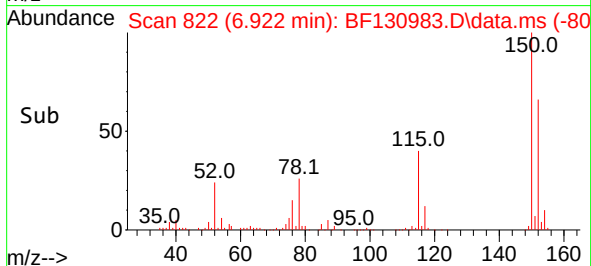
Instrument :
BNA_F
ClientSampleId :
CL-01-110222



Tgt Ion:152 Resp: 83135
Ion Ratio Lower Upper
152 100
150 152.6 124.1 186.1
115 61.1 50.1 75.1

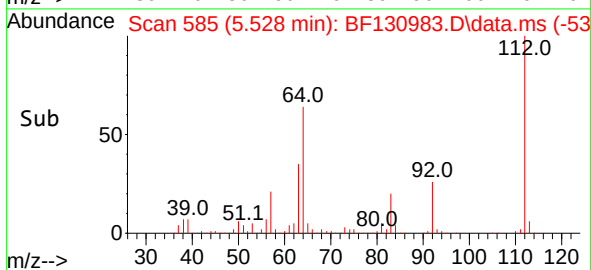
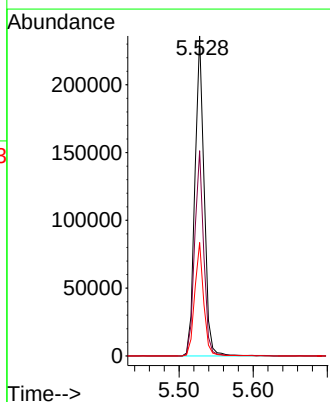
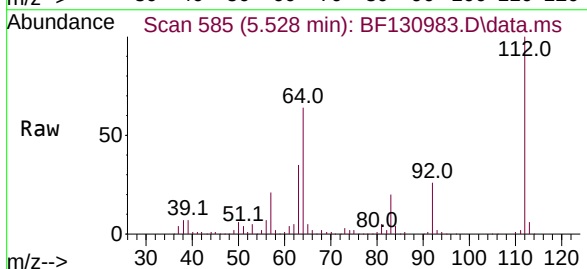
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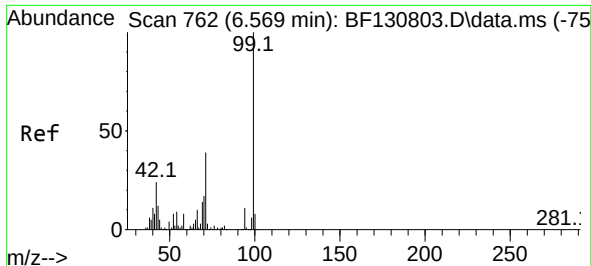
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#5
2-Fluorophenol
Concen: 42.561 ng
RT: 5.528 min Scan# 585
Delta R.T. -0.000 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

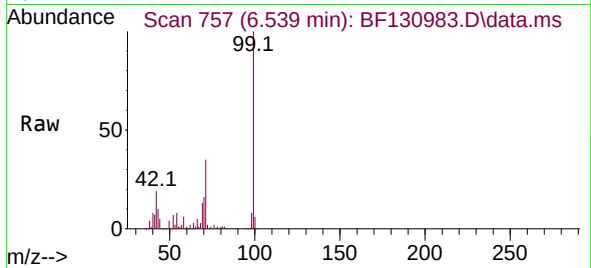
Tgt Ion:112 Resp: 204100
Ion Ratio Lower Upper
112 100
64 64.1 53.9 80.9
63 35.4 29.4 44.2





#7
Phenol-d6
Concen: 38.790 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

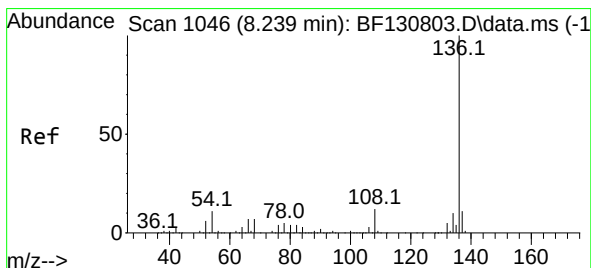
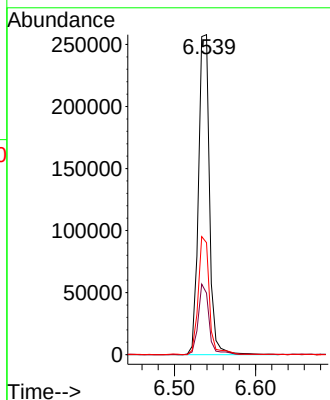
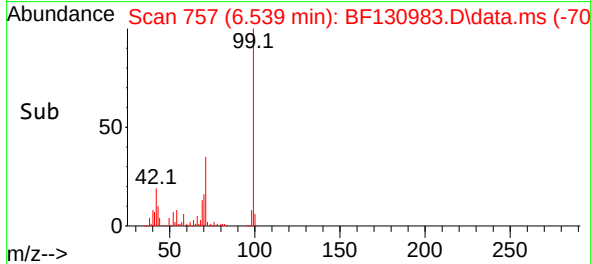
Instrument :
BNA_F
ClientSampleId :
CL-01-110222



Tgt Ion: 99 Resp: 241730
Ion Ratio Lower Upper
99 100
42 19.2 18.8 28.2
71 35.0 31.4 47.0

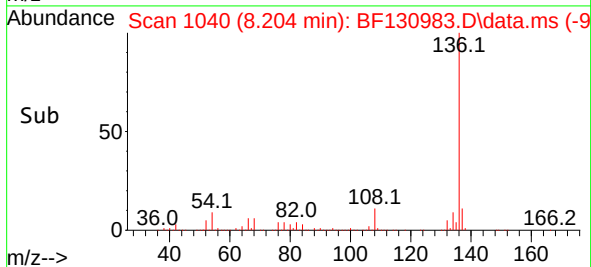
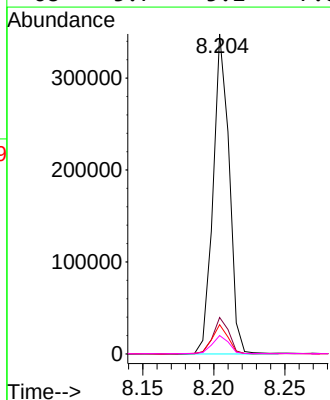
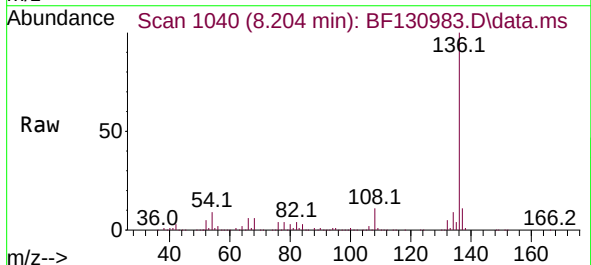
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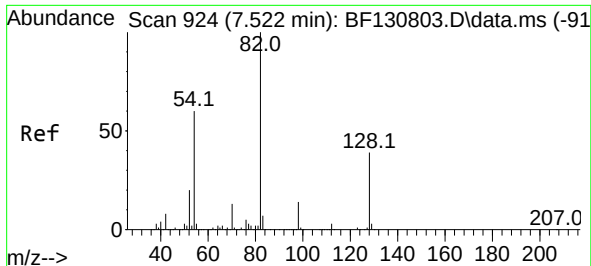
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion:136 Resp: 274649
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 9.1 8.8 13.2
68 5.7 5.2 7.8





#23
Nitrobenzene-d5
Concen: 29.966 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

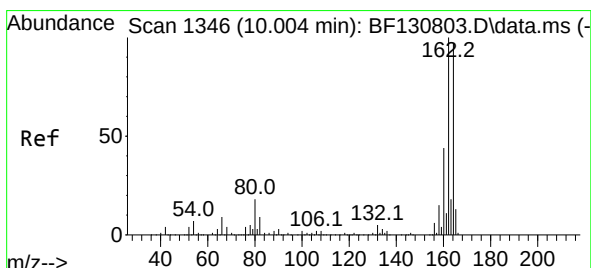
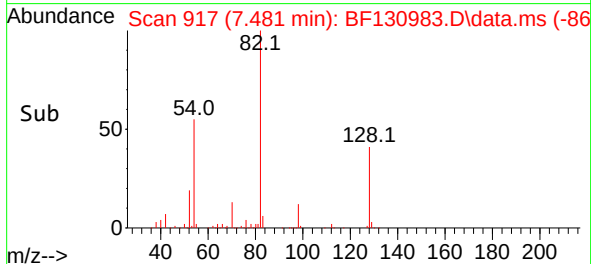
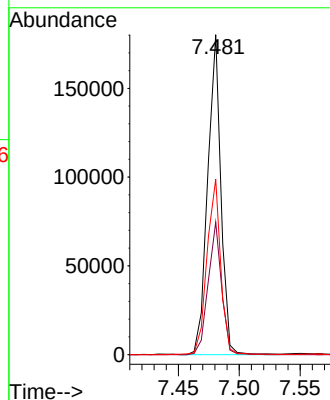
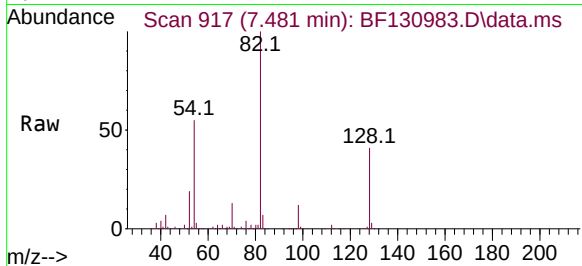
ClientSampleId :

CL-01-110222

Tgt Ion: 82 Resp: 136487
Ion Ratio Lower Upper
82 100
128 41.4 31.2 46.8
54 54.8 48.0 72.0

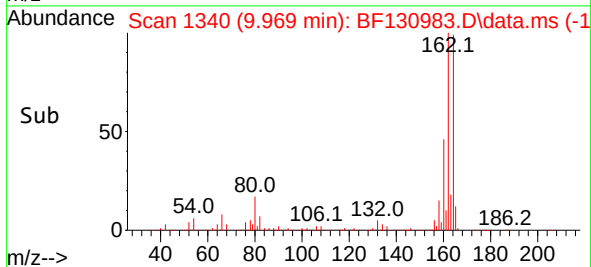
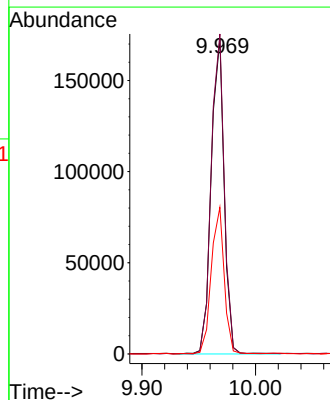
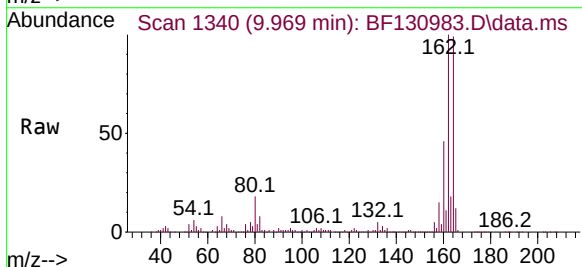
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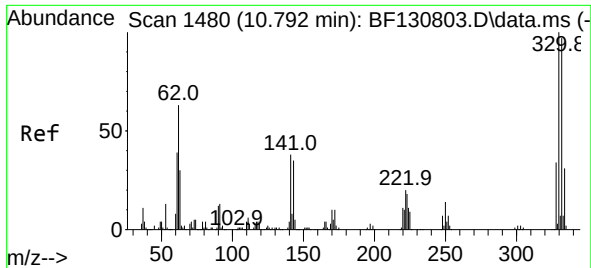
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion:164 Resp: 137502
Ion Ratio Lower Upper
164 100
162 101.5 82.2 123.2
160 46.4 36.6 54.8





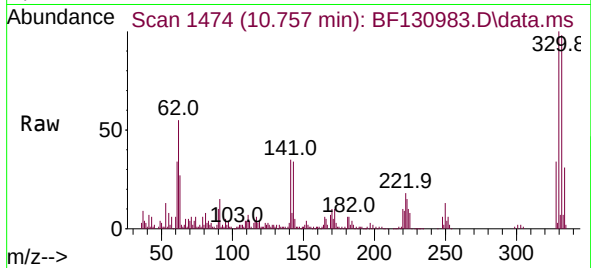
#42
2,4,6-Tribromophenol
Concen: 48.005 ng
RT: 10.757 min Scan# 1480
Delta R.T. -0.000 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

CL-01-110222

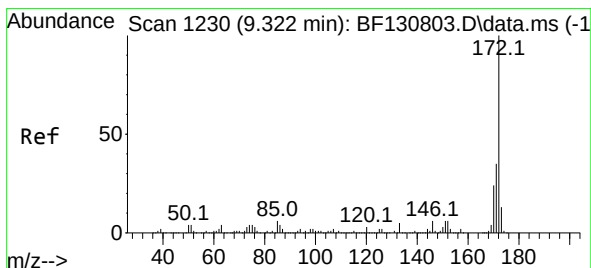
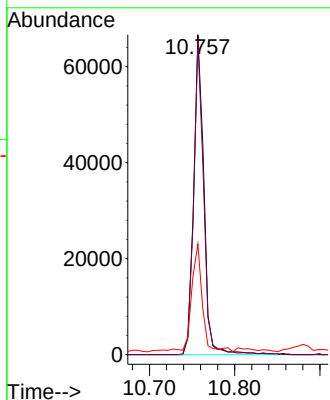
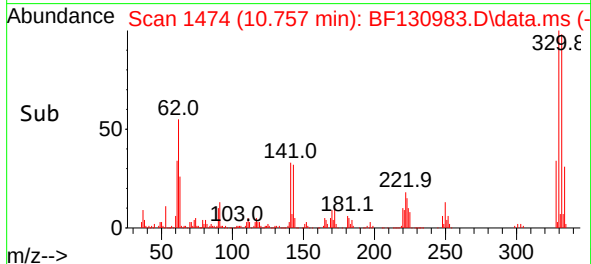


Tgt Ion: 330 Resp: 5556
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 36.2 31.4 47.0

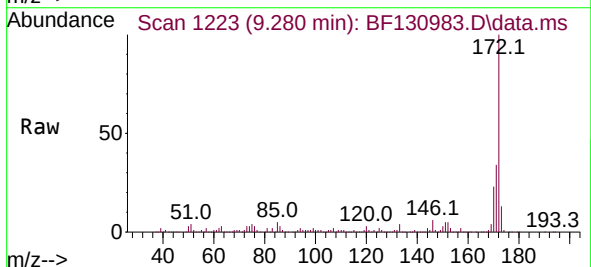
Manual Integrations

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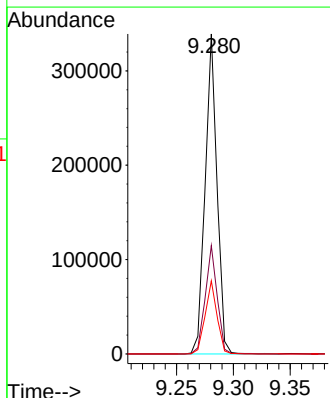
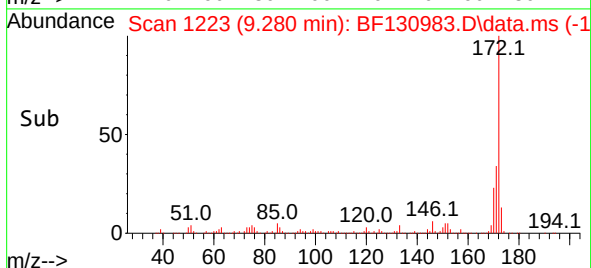
Reviewed By : Christian Giraldo 11/04/2022
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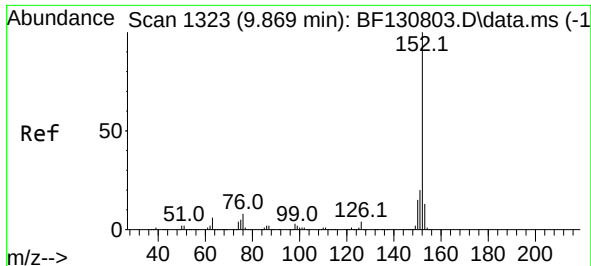


#45
2-Fluorobiphenyl
Concen: 27.097 ng
RT: 9.280 min Scan# 1223
Delta R.T. -0.000 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41



Tgt Ion: 172 Resp: 246439
Ion Ratio Lower Upper
172 100
171 33.8 28.1 42.1
170 22.8 19.0 28.4





#49

Acenaphthylene

Concen: 3.267 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.000 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

CL-01-110222

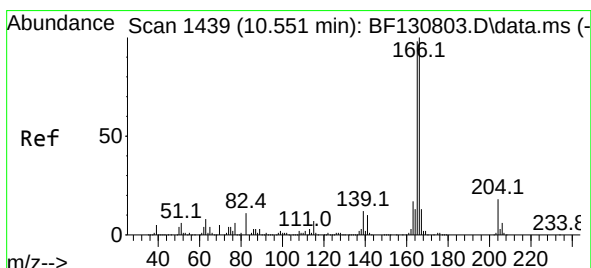
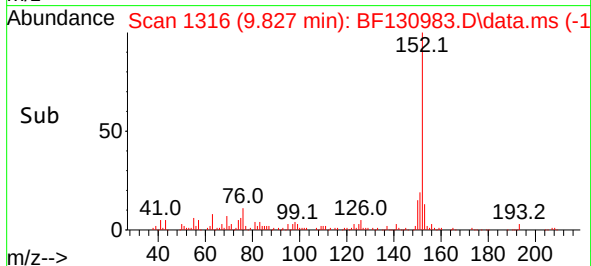
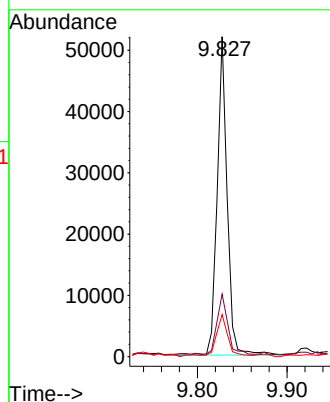
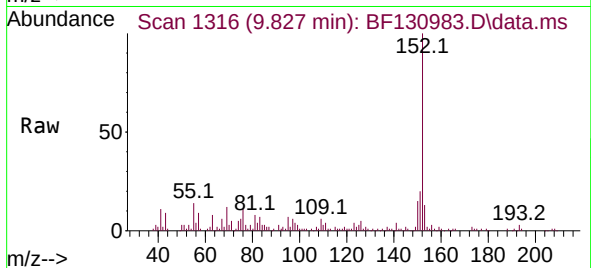
Tgt Ion:	152	Resp:	4055
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.8	23.8
153	13.1	10.2	15.4

Manual Integrations

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Supervised By :Sohil Jodhani 11/04/2022



#58

Fluorene

Concen: 2.056 ng

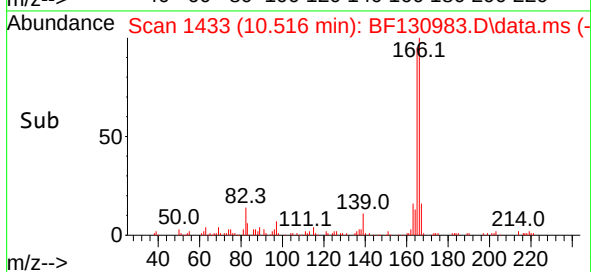
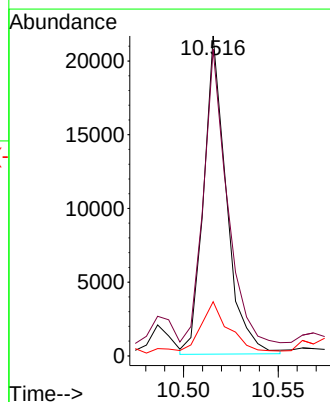
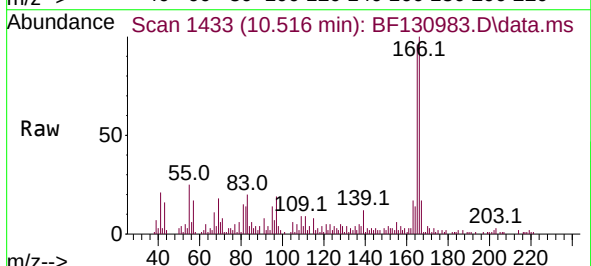
RT: 10.516 min Scan# 1433

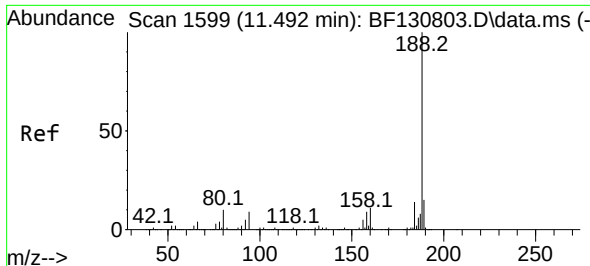
Delta R.T. -0.000 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

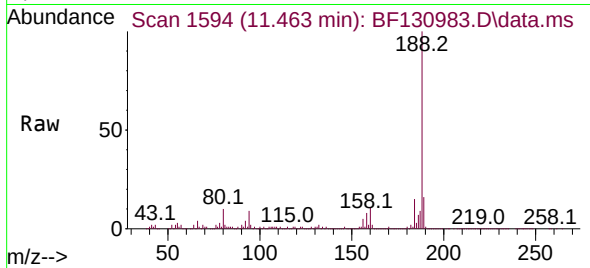
Tgt Ion:	166	Resp:	18009
Ion Ratio	Lower	Upper	
166	100		
165	95.8	78.1	117.1
167	16.9	10.4	15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

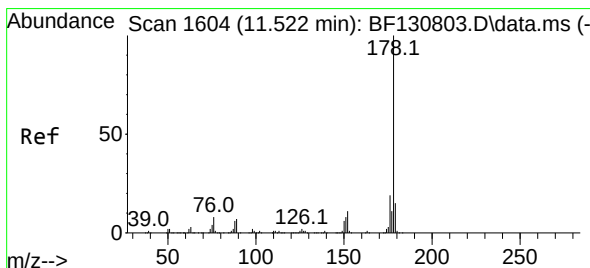
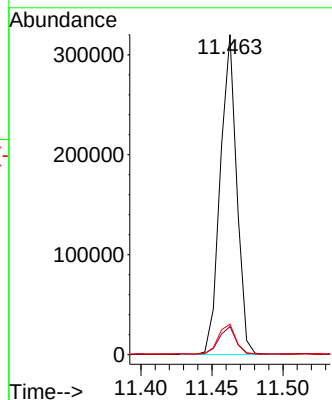
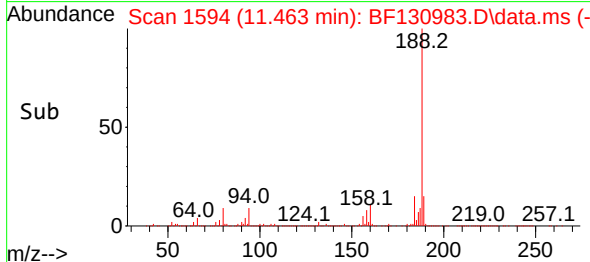
Instrument :
BNA_F
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Tgt Ion:188 Resp: 25852
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 9.5 8.0 12.0

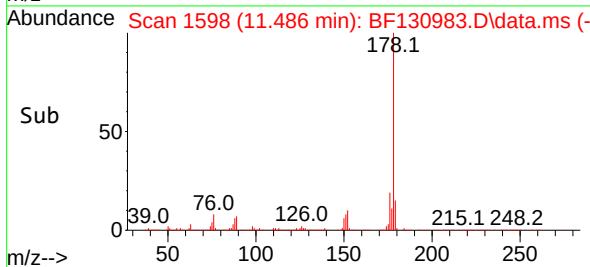
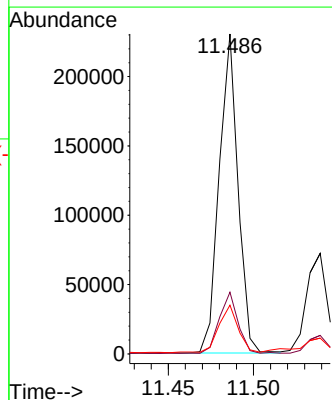
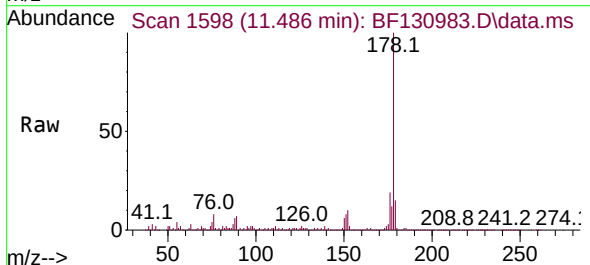
Manual Integrations
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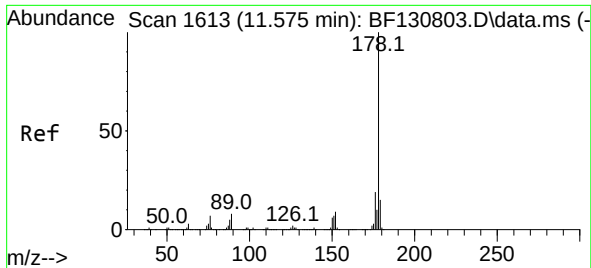
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#71
Phenanthrene
Concen: 13.232 ng
RT: 11.486 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

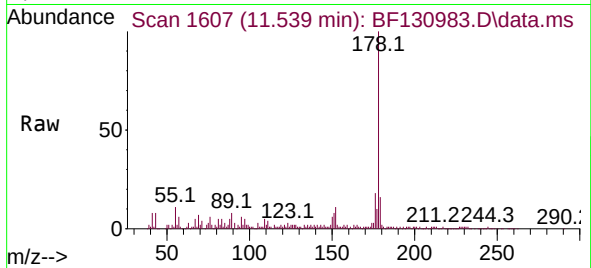
Tgt Ion:178 Resp: 176559
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.2 12.2 18.2





#72
 Anthracene
 Concen: 4.451 ng
 RT: 11.539 min Scan# 10
 Delta R.T. 0.006 min
 Lab File: BF130983.D
 Acq: 04 Nov 2022 03:41

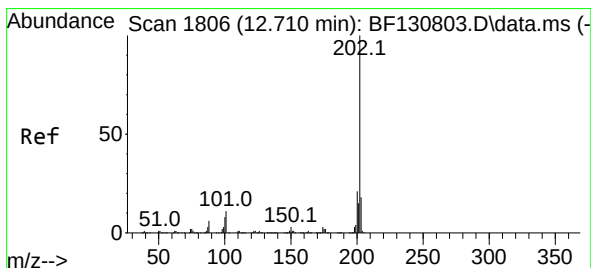
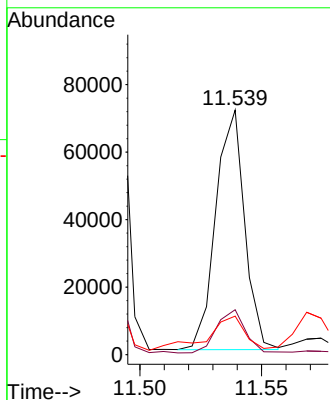
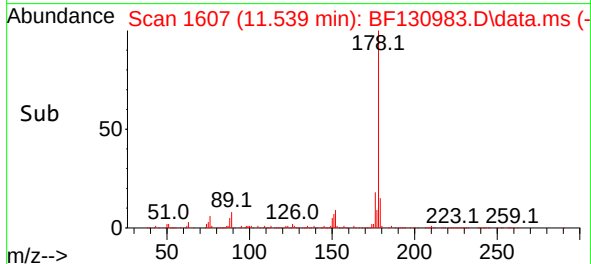
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-110222



Tgt Ion:178 Resp: 58579
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.7 12.2 18.4

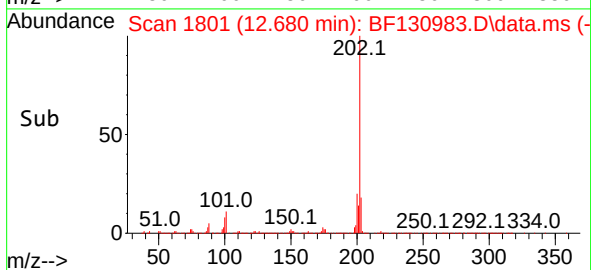
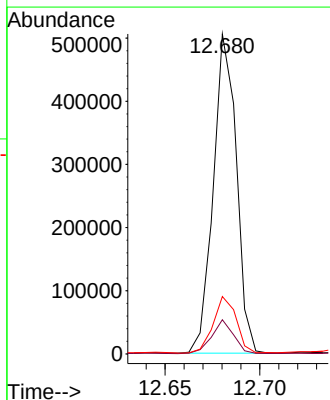
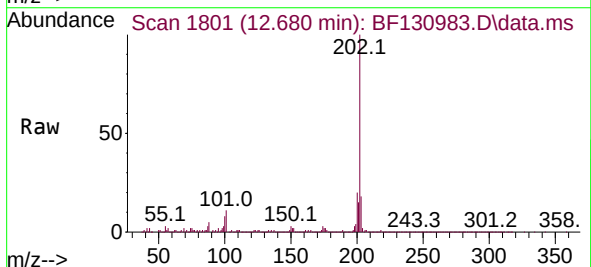
Manual Integrations
 APPROVED

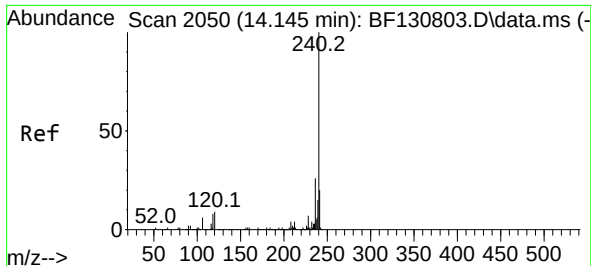
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#75
 Fluoranthene
 Concen: 30.255 ng
 RT: 12.680 min Scan# 1801
 Delta R.T. 0.006 min
 Lab File: BF130983.D
 Acq: 04 Nov 2022 03:41

Tgt Ion:202 Resp: 428928
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 30.9
 203 17.9 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 2050
Delta R.T. 0.012 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

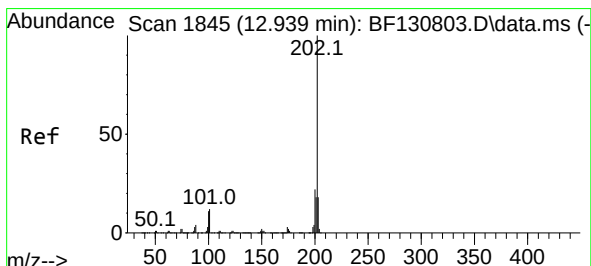
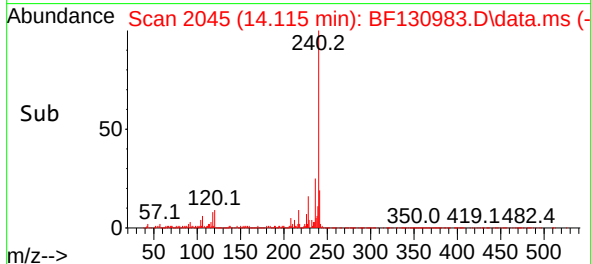
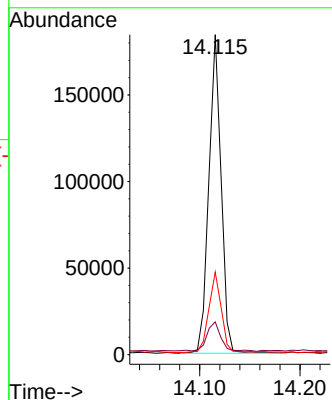
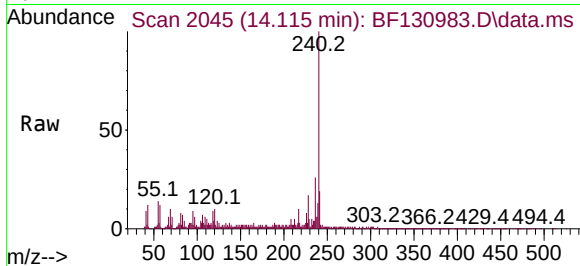
ClientSampleId :

CL-01-110222

Tgt Ion:240 Resp: 15652
Ion Ratio Lower Upper
240 100
120 10.2 7.0 10.4
236 25.8 20.5 30.7

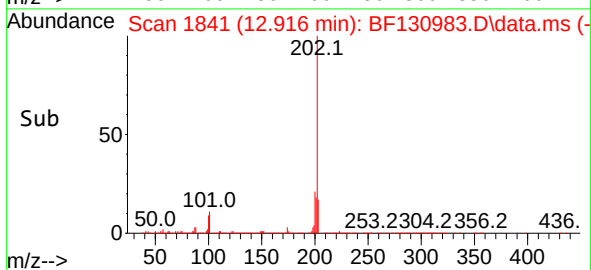
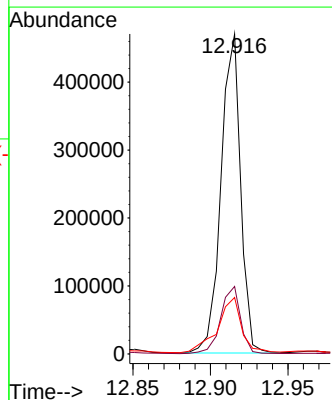
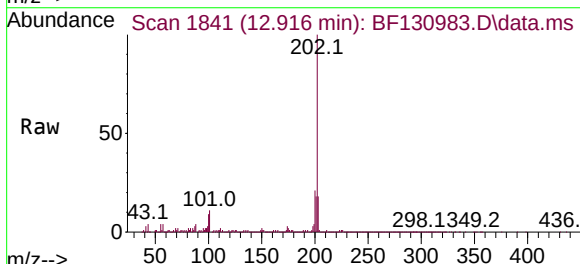
Manual Integrations
APPROVED

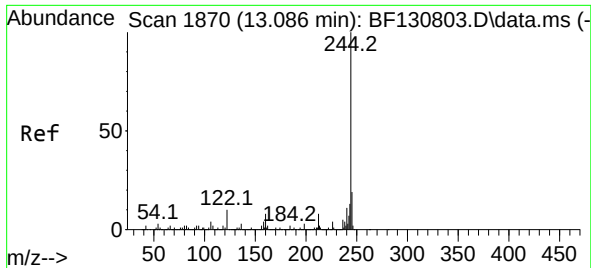
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#78
Pyrene
Concen: 31.417 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.012 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion:202 Resp: 414891
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 17.6 14.5 21.7





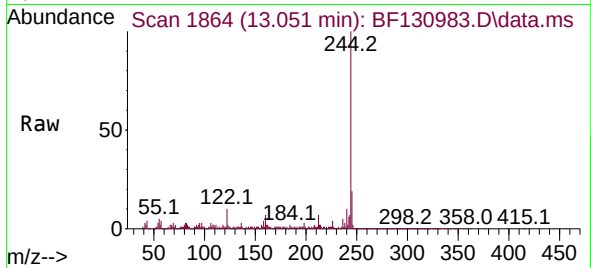
#79
 Terphenyl-d14
 Concen: 31.601 ng
 RT: 13.051 min Scan# 1864
 Delta R.T. 0.006 min
 Lab File: BF130983.D
 Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

CL-01-110222

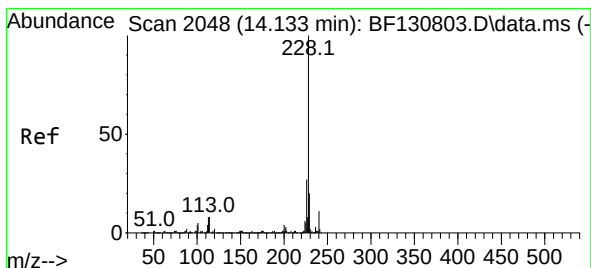
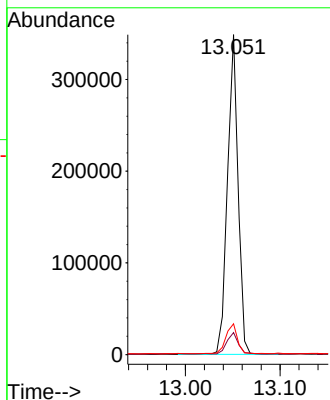
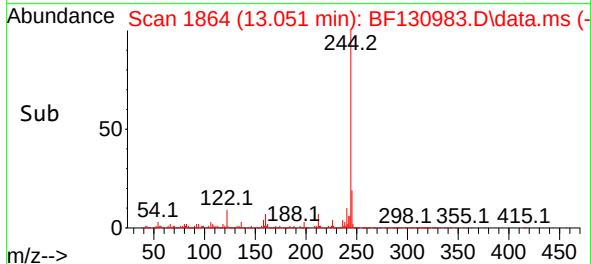


Tgt Ion:244 Resp: 269937
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 9.6 7.9 11.9

Manual Integrations

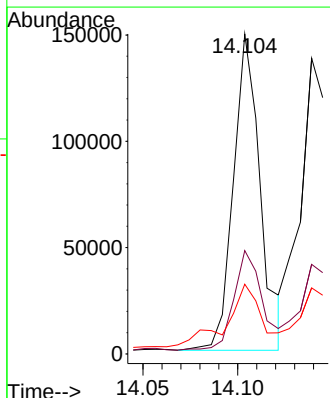
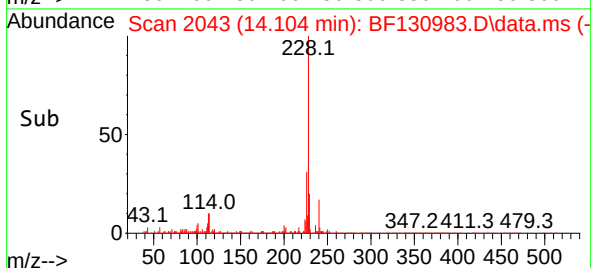
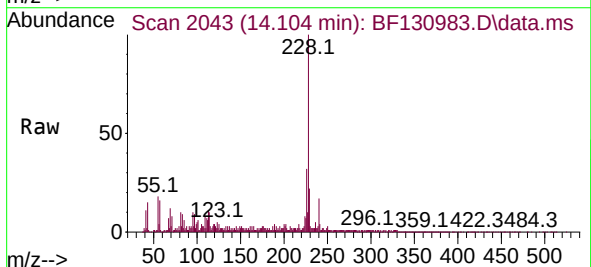
APPROVED

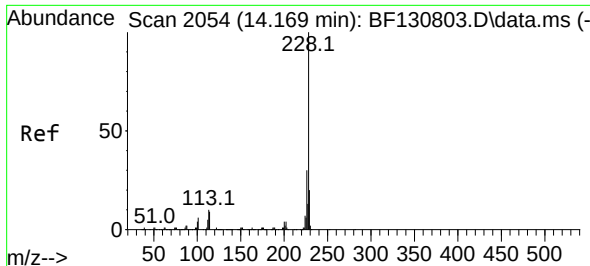
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#81
 Benzo(a)anthracene
 Concen: 14.134 ng m
 RT: 14.104 min Scan# 2043
 Delta R.T. 0.006 min
 Lab File: BF130983.D
 Acq: 04 Nov 2022 03:41

Tgt Ion:228 Resp: 146676
 Ion Ratio Lower Upper
 228 100
 226 32.3 21.4 32.2#
 229 21.8 15.8 23.6





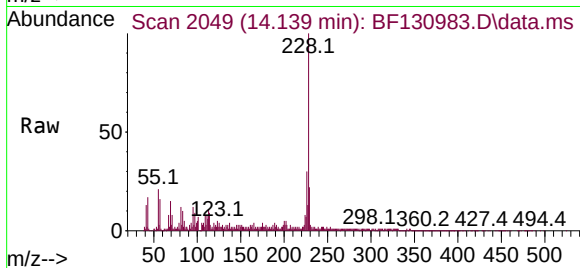
#83
Chrysene
Concen: 13.929 ng
RT: 14.139 min Scan# 2054
Delta R.T. 0.006 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

CL-01-110222

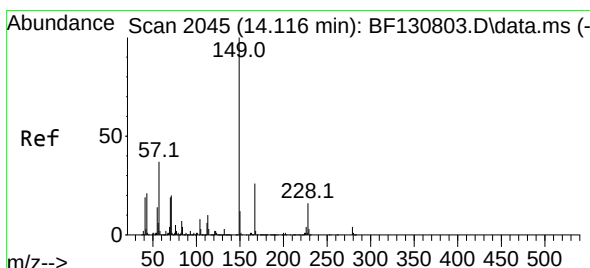
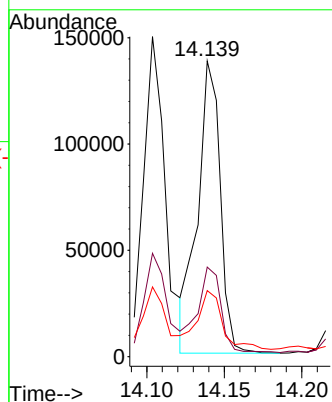
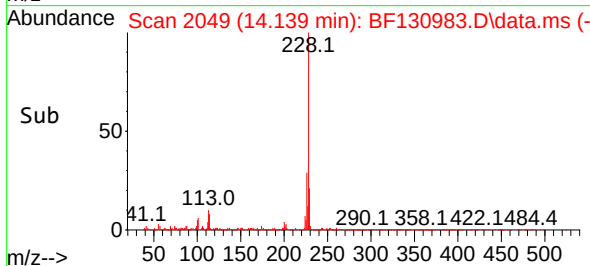


Tgt Ion:228 Resp: 139432
Ion Ratio Lower Upper
228 100
226 30.3 23.9 35.9
229 22.3 15.8 23.6

Manual Integrations

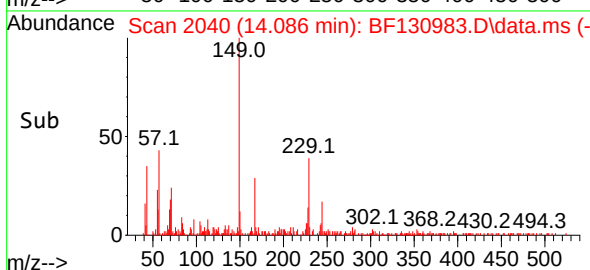
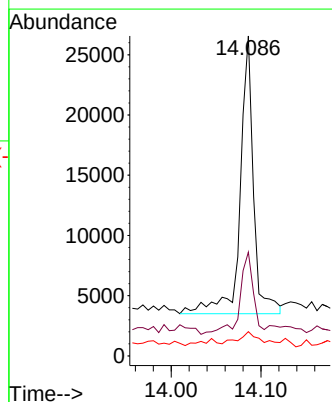
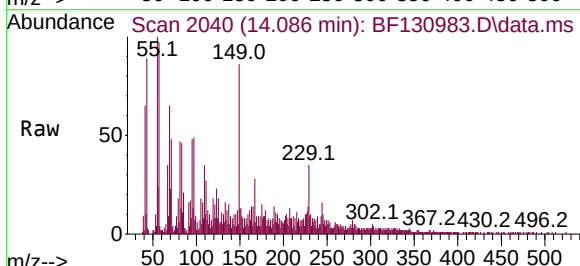
APPROVED

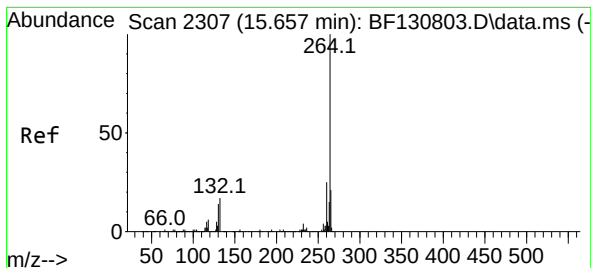
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.191 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.012 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion:149 Resp: 23944
Ion Ratio Lower Upper
149 100
167 32.4 21.0 31.4#
279 7.6 3.0 4.6#





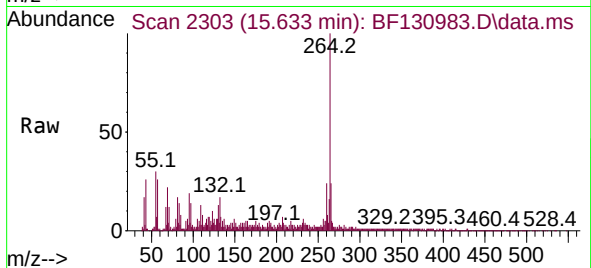
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2307
Delta R.T. 0.023 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

CL-01-110222

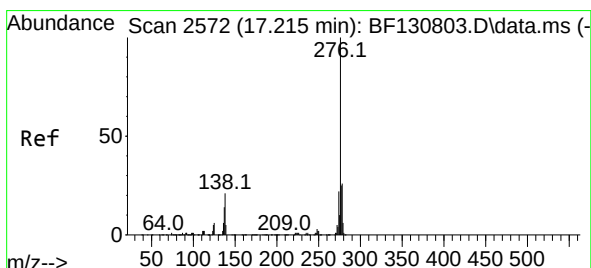
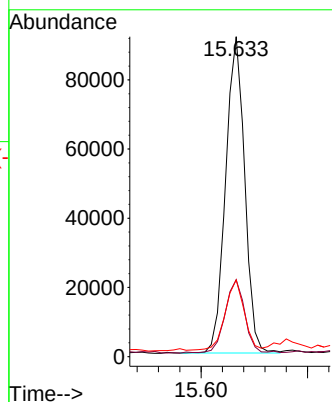
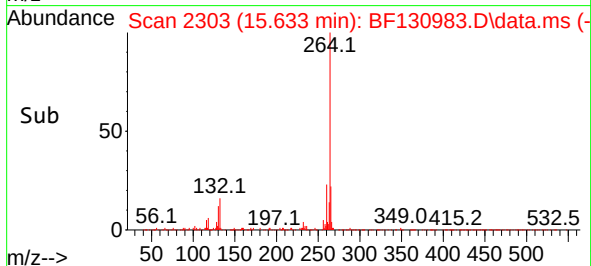


Tgt Ion:264 Resp: 114036
Ion Ratio Lower Upper
264 100
260 24.0 19.9 29.9
265 24.0 17.0 25.6

Manual Integrations

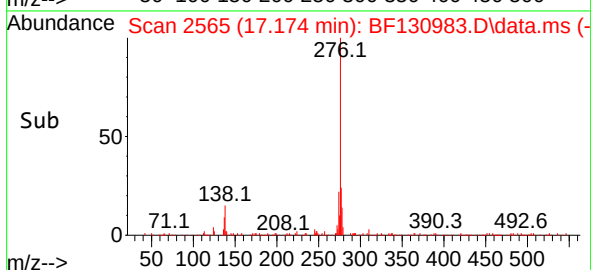
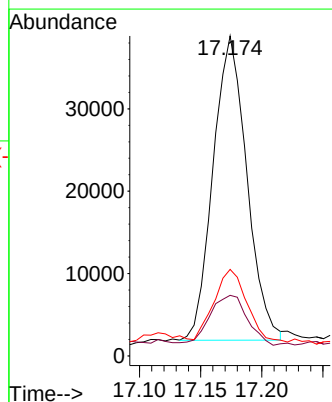
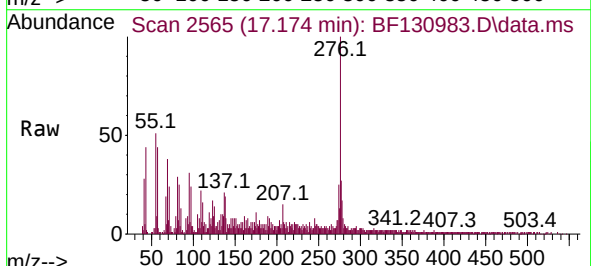
APPROVED

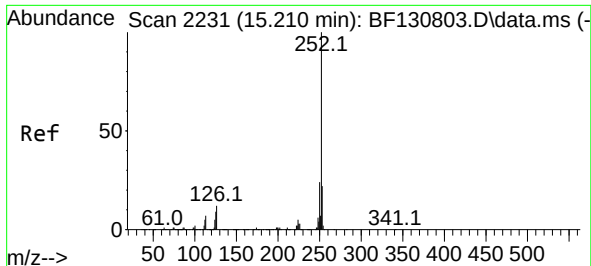
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.353 ng m
RT: 17.174 min Scan# 2565
Delta R.T. 0.029 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

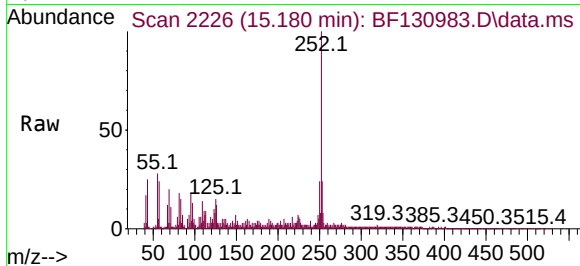
Tgt Ion:276 Resp: 70824
Ion Ratio Lower Upper
276 100
138 5.5 19.1 28.7#
277 6.1 20.1 30.1#





#88
Benzo(b)fluoranthene
Concen: 23.186 ng m
RT: 15.180 min Scan# 2226
Delta R.T. 0.018 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

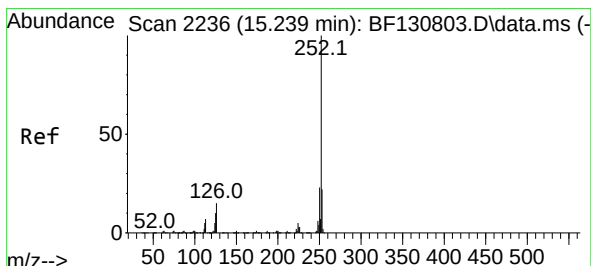
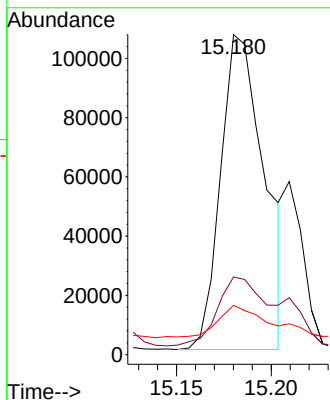
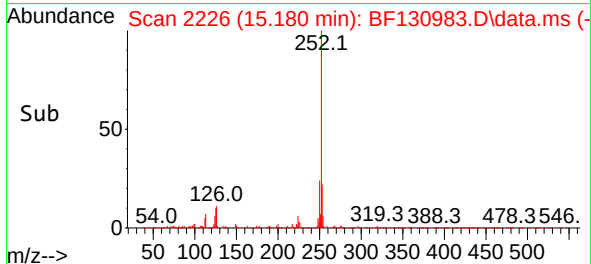
Instrument :
BNA_F
ClientSampleId :
CL-01-110222



Tgt Ion:252 Resp: 170906
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 15.4 7.0 10.4

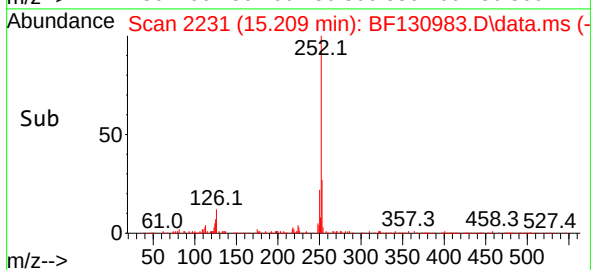
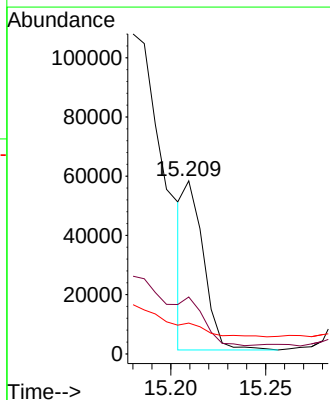
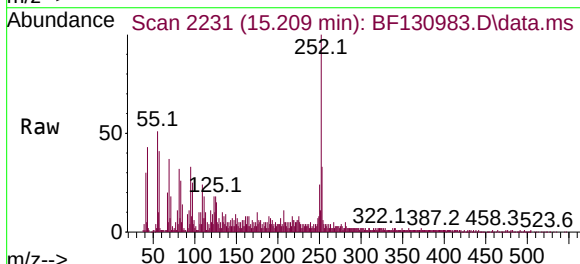
Manual Integrations
APPROVED

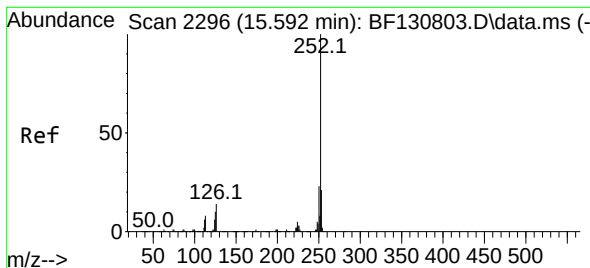
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#89
Benzo(k)fluoranthene
Concen: 5.745 ng m
RT: 15.209 min Scan# 2231
Delta R.T. 0.012 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion:252 Resp: 41266
Ion Ratio Lower Upper
252 100
253 32.8 17.5 26.3#
125 17.8 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 19.193 ng

RT: 15.562 min Scan# 2296

Delta R.T. 0.017 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

CL-01-110222

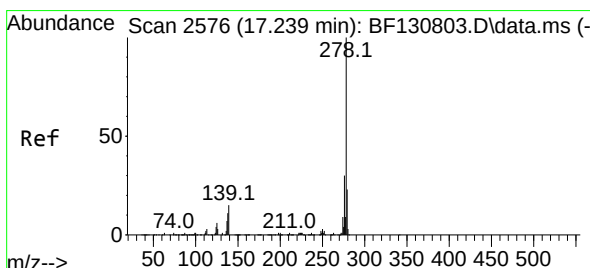
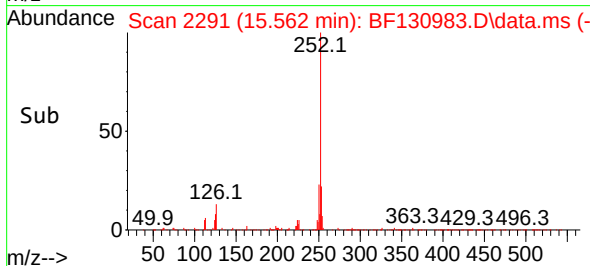
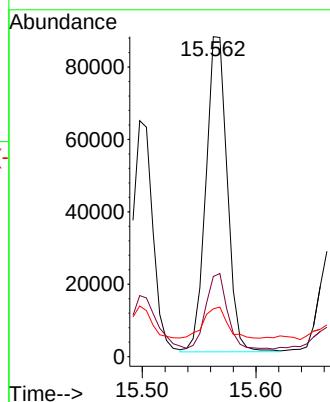
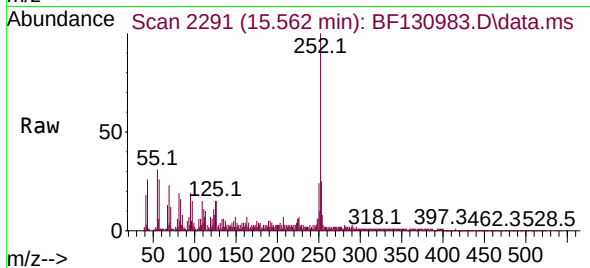
Tgt Ion:	252	Resp:	113730
Ion Ratio	Lower	Upper	
252	100		
253	25.0	16.8	25.2
125	14.9	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#91

Dibenzo(a,h)anthracene

Concen: 2.809 ng

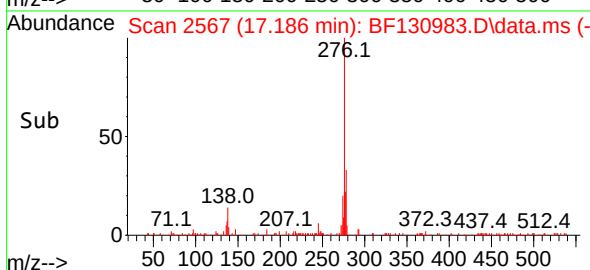
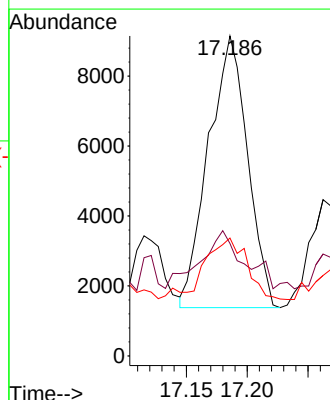
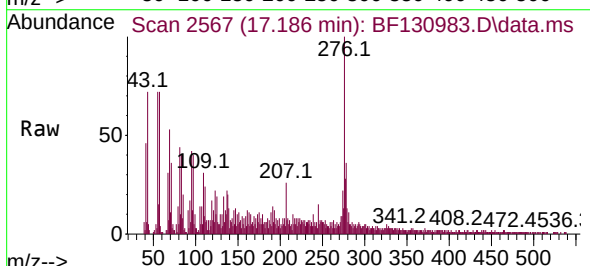
RT: 17.186 min Scan# 2567

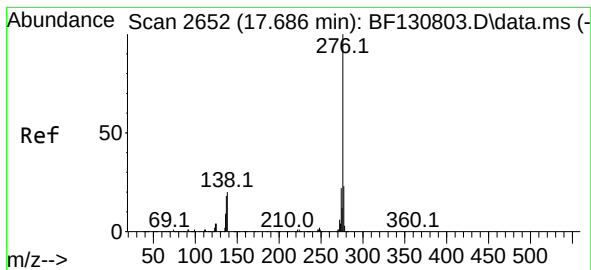
Delta R.T. 0.023 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

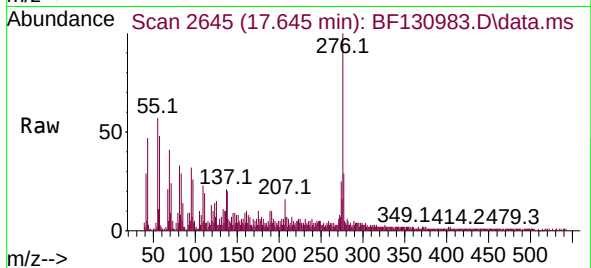
Tgt Ion:	278	Resp:	17339
Ion Ratio	Lower	Upper	
278	100		
139	35.1	11.9	17.9#
279	36.8	18.6	28.0#





#92
Benzo(g,h,i)perylene
Concen: 11.926 ng
RT: 17.645 min Scan# 20
Delta R.T. 0.035 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Instrument :
BNA_F
ClientSampleId :
CL-01-110222



Tgt Ion: 276 Resp: 7510
Ion Ratio Lower Upper
276 100
277 28.7 18.8 28.2
138 20.1 16.3 24.5

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 11/04/2022
Supervised By : Sohil Jodhani 11/04/2022

