

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091622\
 Data File : BF130310.D
 Acq On : 17 Sep 2022 01:39
 Operator : CG\JU
 Sample : N4664-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-091522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/19/2022
 Supervised By : Jagrut Upadhyay 09/19/2022

Quant Time: Sep 17 03:33:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 17 03:22:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	75641	20.000	ng	0.00
21) Naphthalene-d8	7.951	136	253093	20.000	ng	# 0.00
39) Acenaphthene-d10	9.698	164	105970	20.000	ng	0.00
64) Phenanthrene-d10	11.174	188	174262	20.000	ng	0.00
76) Chrysene-d12	13.804	240	189327	20.000	ng	0.00
86) Perylene-d12	15.198	264	154144	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.263	112	185154	42.456	ng	0.00
7) Phenol-d6	6.292	99	237073	43.446	ng	-0.01
23) Nitrobenzene-d5	7.228	82	163970	33.098	ng	-0.01
42) 2,4,6-Tribromophenol	10.480	330	42391	41.748	ng	-0.01
45) 2-Fluorobiphenyl	9.022	172	260131	35.746	ng	-0.01
79) Terphenyl-d14	12.762	244	304288	26.623	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.198	178	53889	5.508	ng	98
75) Fluoranthene	12.380	202	191623	20.269	ng	98
78) Pyrene	12.610	202	187954	11.348	ng	99
81) Benzo(a)anthracene	13.792	228	110403	8.766	ng	97
83) Chrysene	13.827	228	105074	8.786	ng	98
87) Indeno(1,2,3-cd)pyrene	16.515	276	44066m	4.031	ng	
88) Benzo(b)fluoranthene	14.809	252	128666m	12.789	ng	
89) Benzo(k)fluoranthene	14.827	252	45201m	4.567	ng	
90) Benzo(a)pyrene	15.139	252	88519	11.106	ng	99
92) Benzo(g,h,i)perylene	16.915	276	41101	4.550	ng	96

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

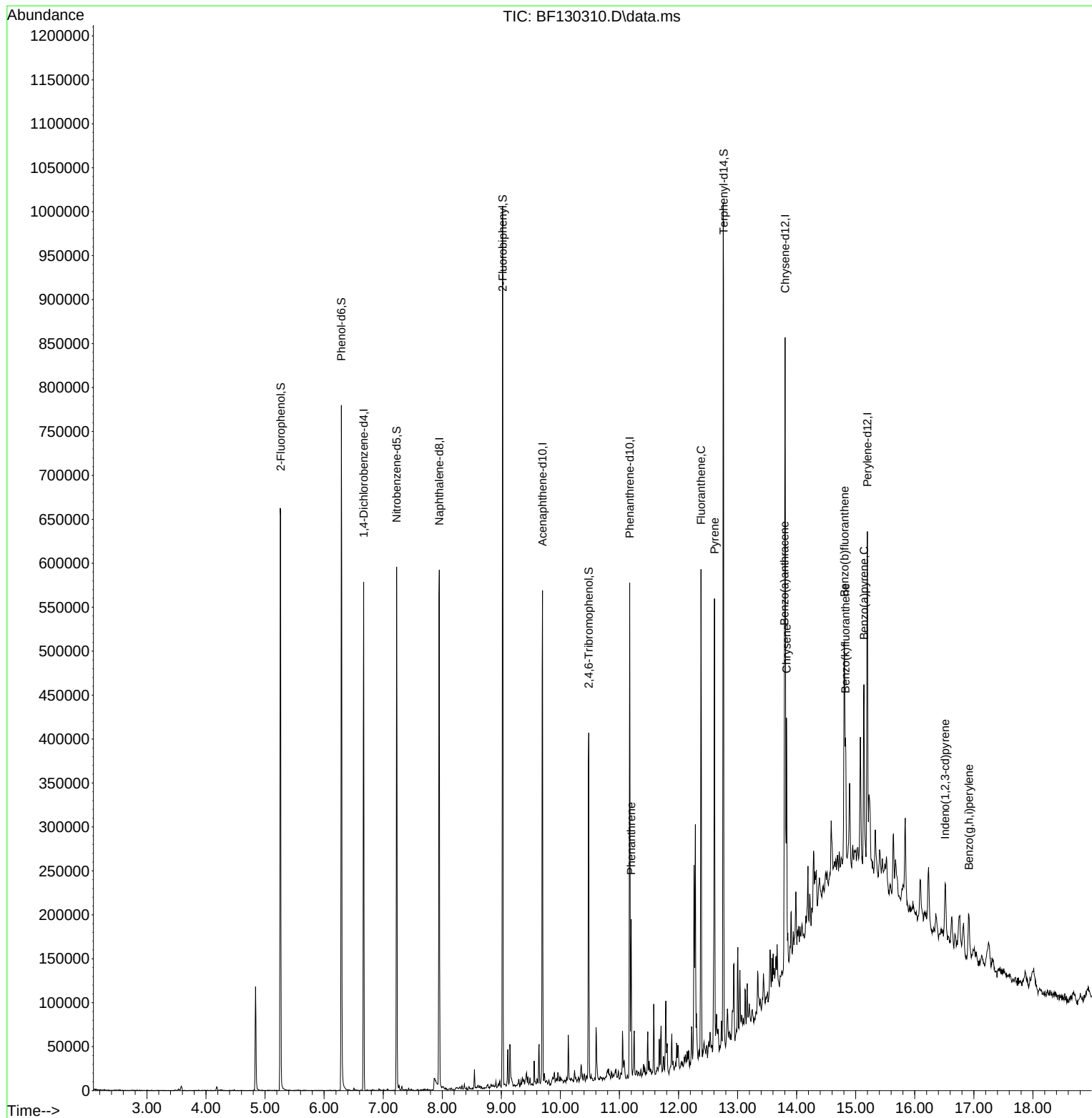
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091622\
Data File : BF130310.D
Acq On : 17 Sep 2022 01:39
Operator : CG\JU
Sample : N4664-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

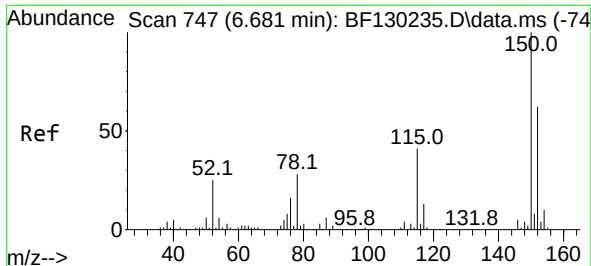
Instrument :
BNA_F
ClientSampleId :
HR-02-091522

Quant Time: Sep 17 03:33:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 17 03:22:32 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

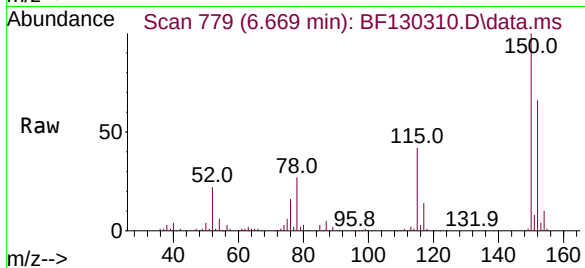
Reviewed By : Christian Giraldo 09/19/2022
Supervised By : Jagrut Upadhyay 09/19/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.669 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

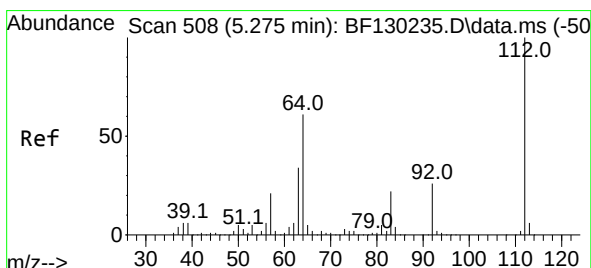
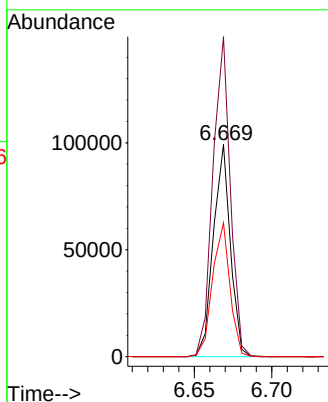
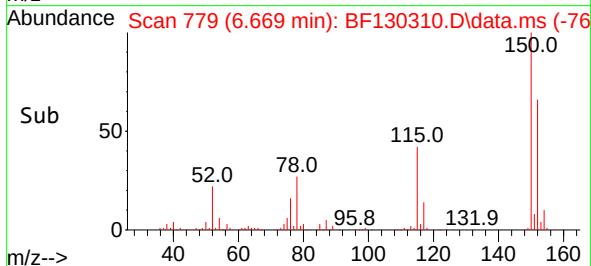
Instrument :
BNA_F
ClientSampleId :
HR-02-091522



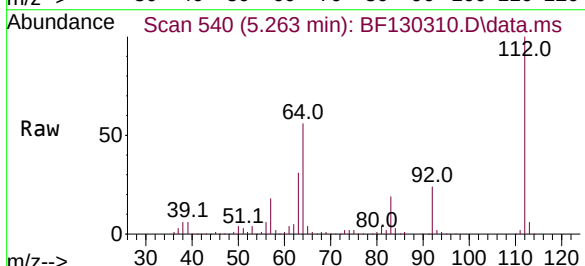
Tgt Ion:152 Resp: 7564
Ion Ratio Lower Upper
152 100
150 150.8 122.8 184.2
115 63.0 53.8 80.8

Manual Integrations
APPROVED

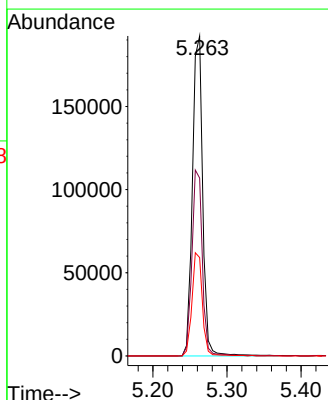
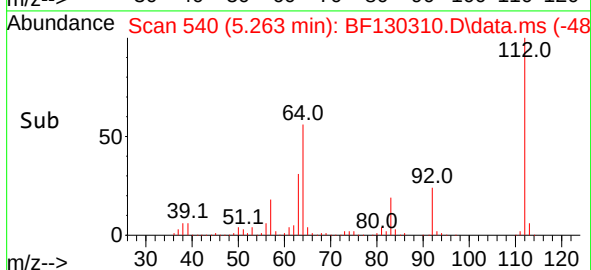
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

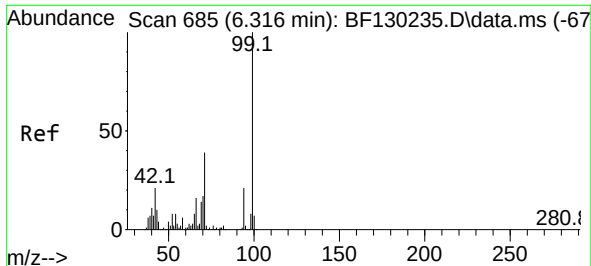


#5
2-Fluorophenol
Concen: 42.456 ng
RT: 5.263 min Scan# 540
Delta R.T. -0.000 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39



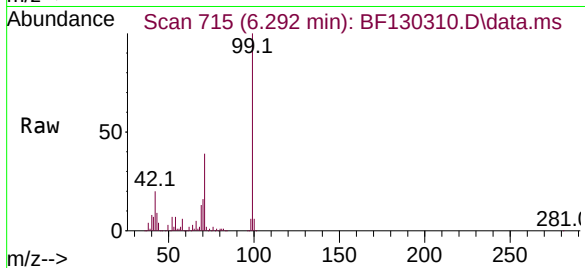
Tgt Ion:112 Resp: 185154
Ion Ratio Lower Upper
112 100
64 55.6 51.4 77.0
63 30.7 28.8 43.2





#7
Phenol-d6
Concen: 43.446 ng
RT: 6.292 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

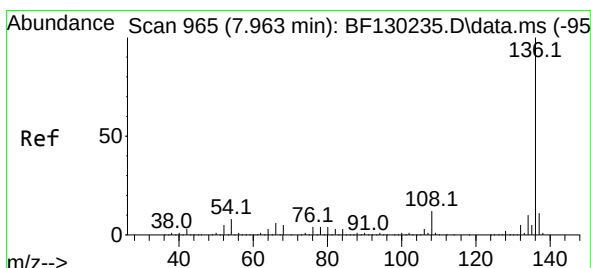
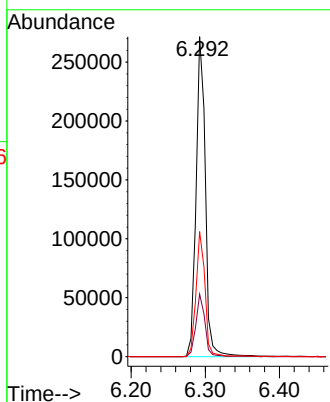
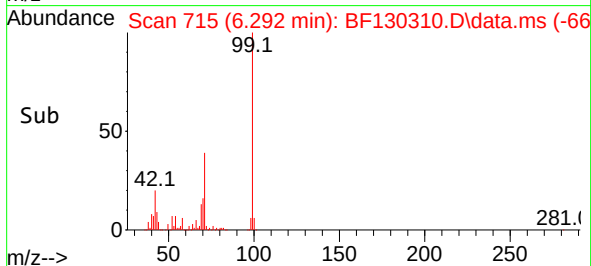
Instrument :
BNA_F
ClientSampleId :
HR-02-091522



Tgt Ion: 99 Resp: 237073
Ion Ratio Lower Upper
99 100
42 19.5 17.0 25.6
71 39.1 32.3 48.5

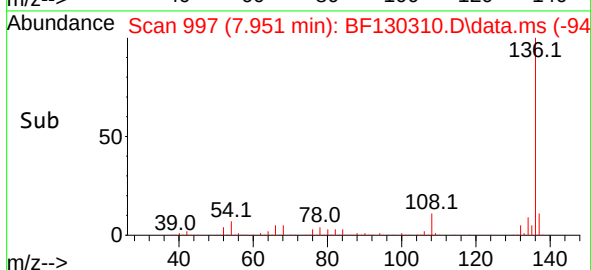
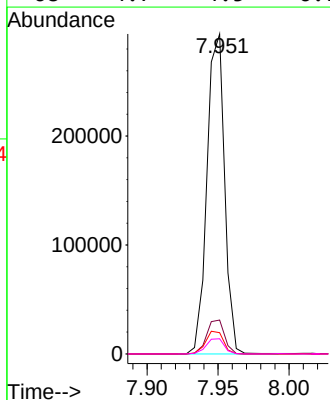
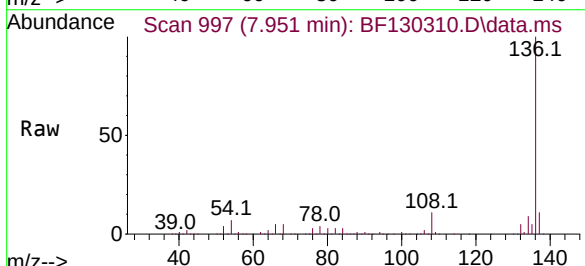
Manual Integrations
APPROVED

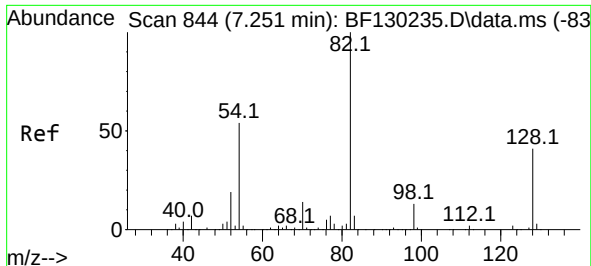
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.000 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

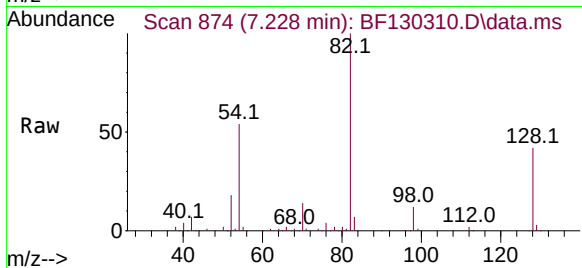
Tgt Ion:136 Resp: 253093
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 6.6 7.1 10.7#
68 4.7 4.5 6.7





#23
Nitrobenzene-d5
Concen: 33.098 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

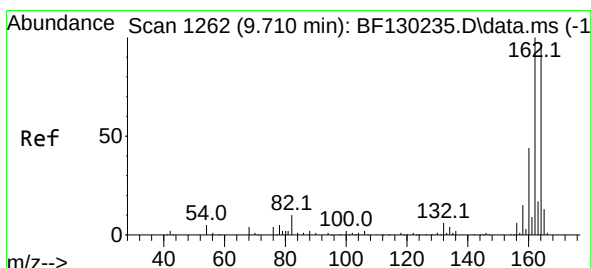
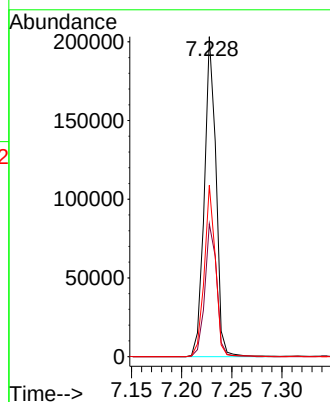
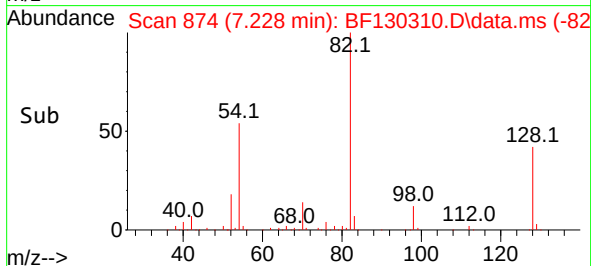
Instrument :
BNA_F
ClientSampleId :
HR-02-091522



Tgt Ion: 82 Resp: 163970
Ion Ratio Lower Upper
82 100
128 41.5 32.6 49.0
54 53.5 43.8 65.6

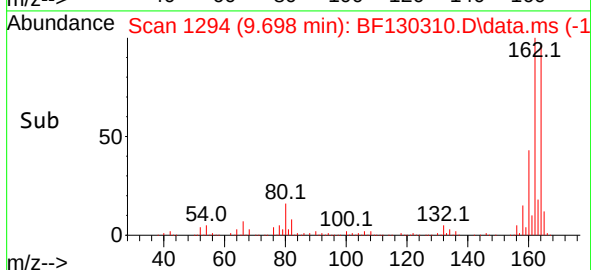
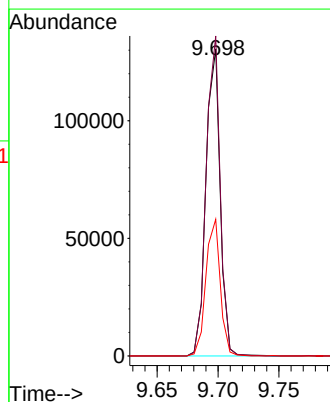
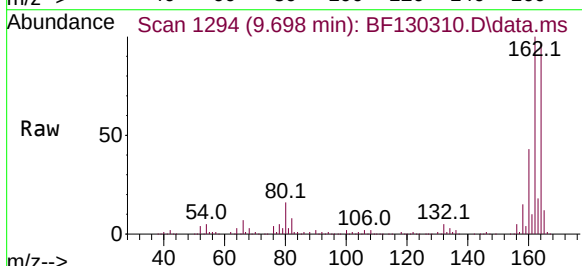
Manual Integrations
APPROVED

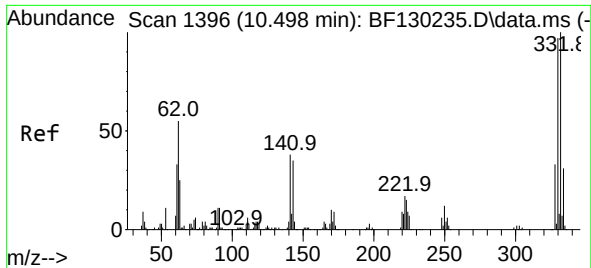
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.698 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

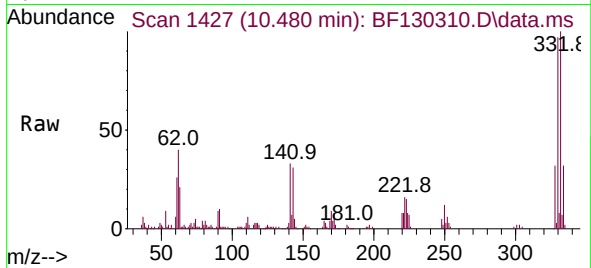
Tgt Ion:164 Resp: 105970
Ion Ratio Lower Upper
164 100
162 104.3 81.4 122.0
160 44.5 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 41.748 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

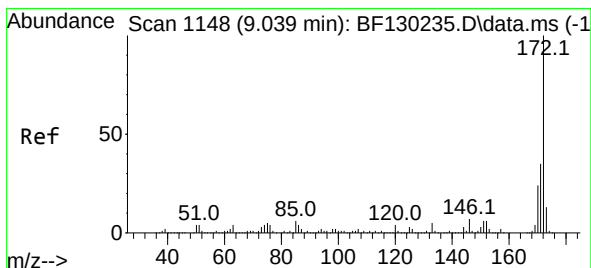
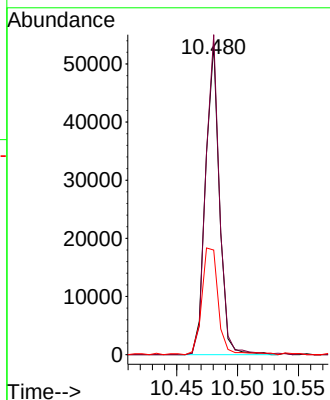
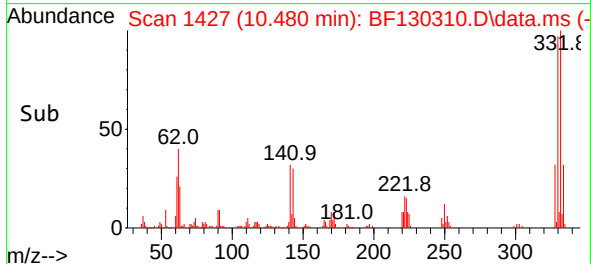
Instrument :
BNA_F
ClientSampleId :
HR-02-091522



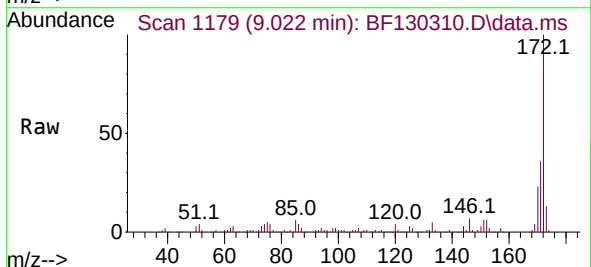
Tgt Ion: 330 Resp: 42391
Ion Ratio Lower Upper
330 100
332 101.9 83.4 125.2
141 41.0 34.0 51.0

Manual Integrations
APPROVED

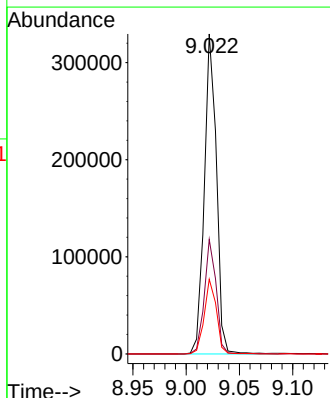
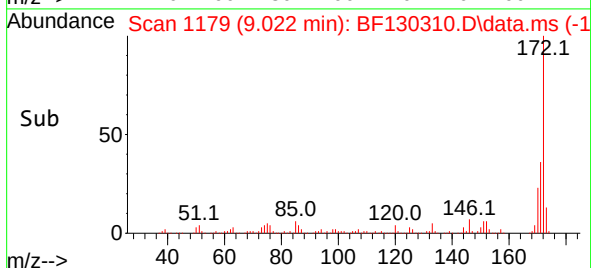
Reviewed By : Christian Giraldo 09/19/2022
Supervised By : Jagrut Upadhyay 09/19/2022

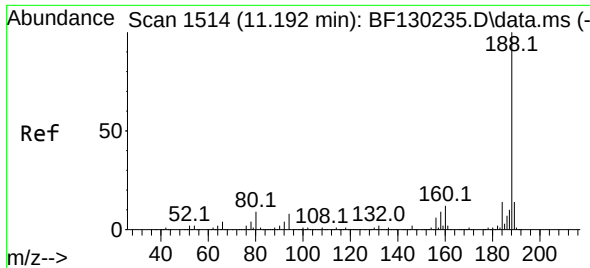


#45
2-Fluorobiphenyl
Concen: 35.746 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39



Tgt Ion: 172 Resp: 260131
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.3 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.174 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

Instrument :

BNA_F

ClientSampleId :

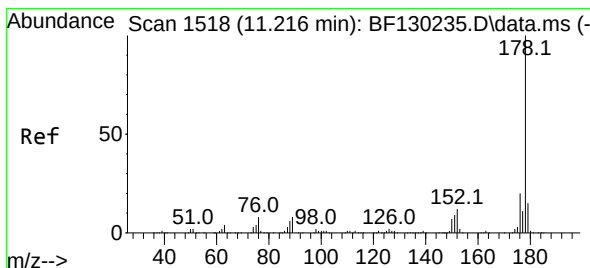
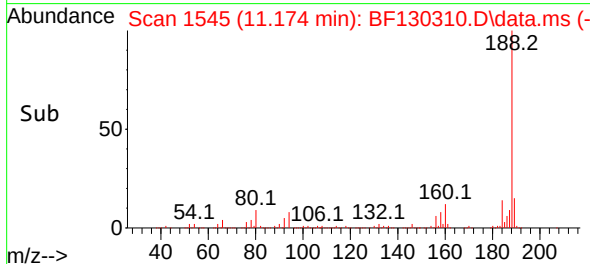
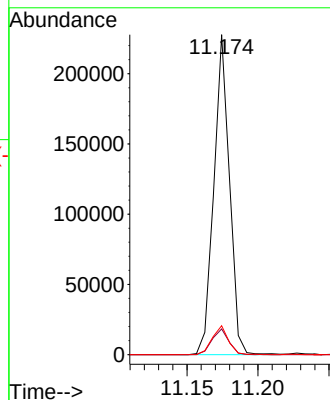
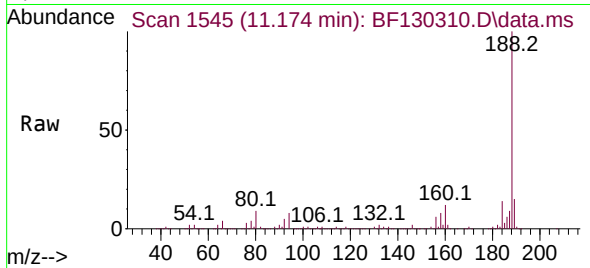
HR-02-091522

Tgt Ion:188 Resp: 174262
Ion Ratio Lower Upper
188 100
94 8.0 7.4 11.2
80 9.0 7.9 11.9

Manual Integrations

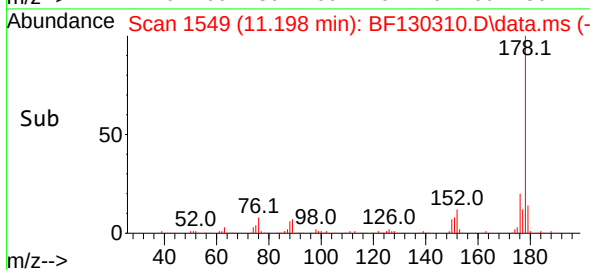
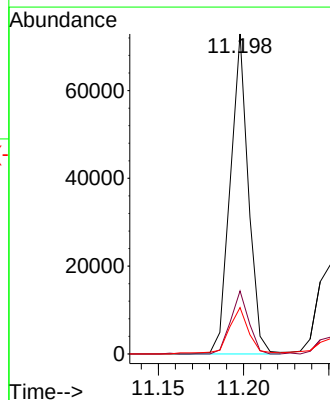
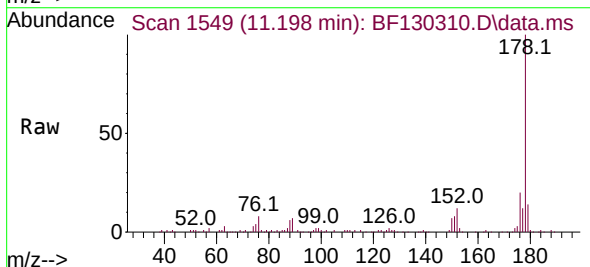
APPROVED

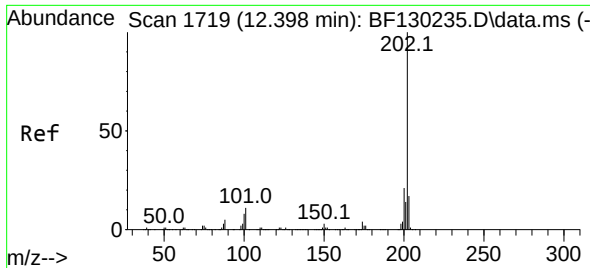
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#71
Phenanthrene
Concen: 5.508 ng
RT: 11.198 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

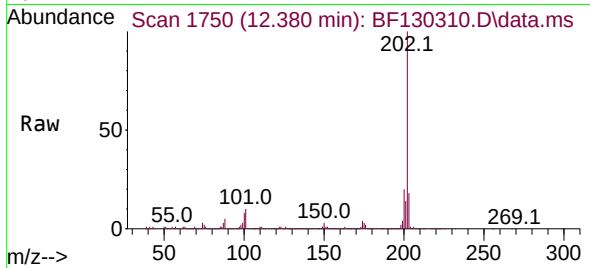
Tgt Ion:178 Resp: 53889
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 14.5 12.4 18.6





#75
Fluoranthene
Concen: 20.269 ng
RT: 12.380 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

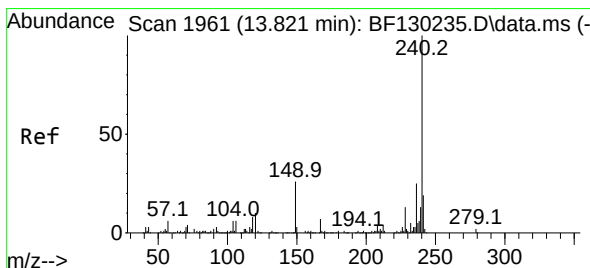
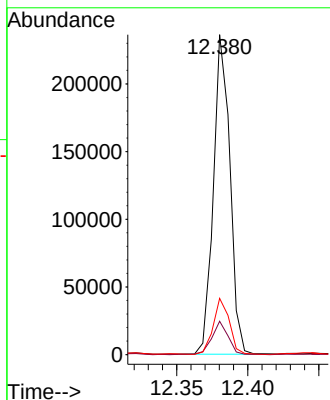
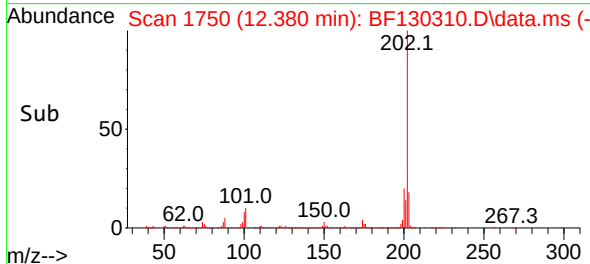
Instrument :
BNA_F
ClientSampleId :
HR-02-091522



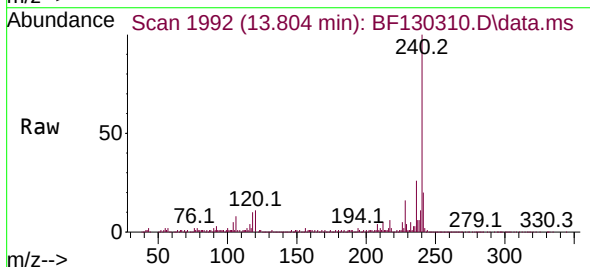
Tgt Ion:202 Resp: 191623
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.8
203 17.6 0.0 37.8

Manual Integrations
APPROVED

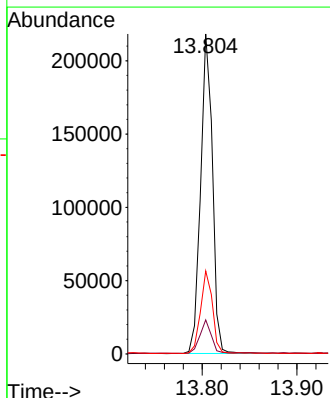
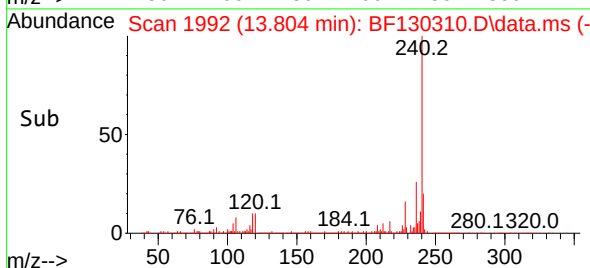
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

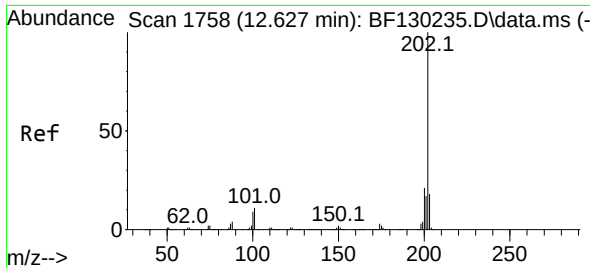


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.804 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39



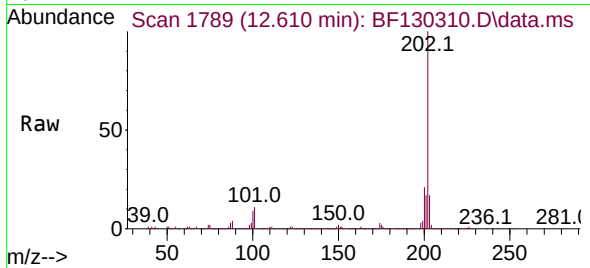
Tgt Ion:240 Resp: 189327
Ion Ratio Lower Upper
240 100
120 10.6 8.7 13.1
236 25.9 20.9 31.3





#78
Pyrene
Concen: 11.348 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

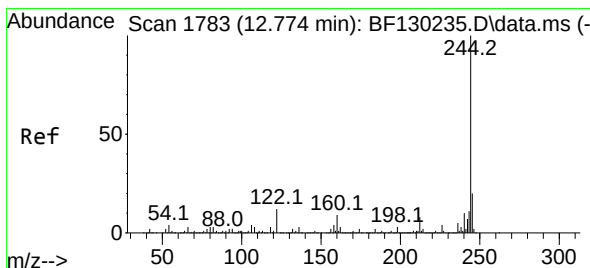
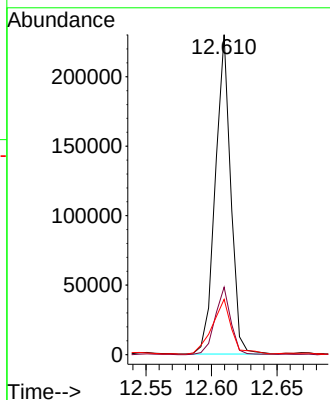
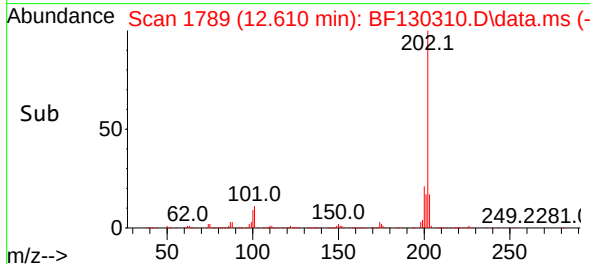
Instrument :
BNA_F
ClientSampleId :
HR-02-091522



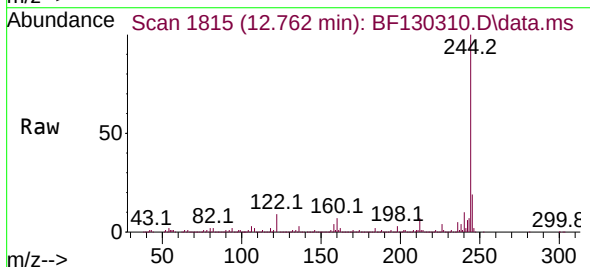
Tgt Ion:202 Resp: 187954
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 17.3 14.3 21.5

Manual Integrations
APPROVED

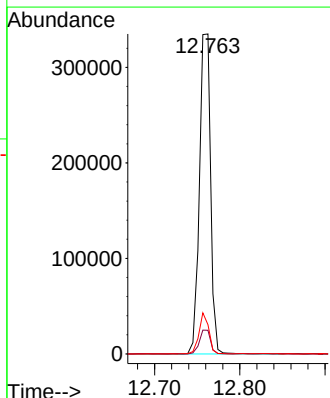
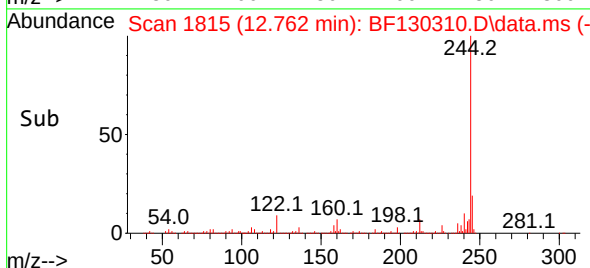
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

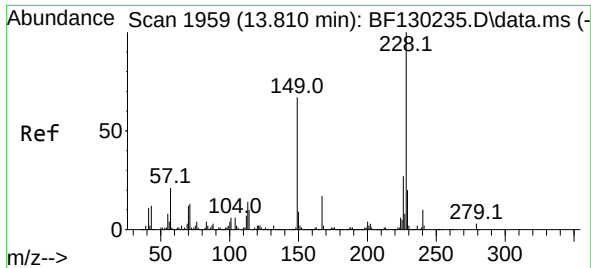


#79
Terphenyl-d14
Concen: 26.623 ng
RT: 12.762 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39



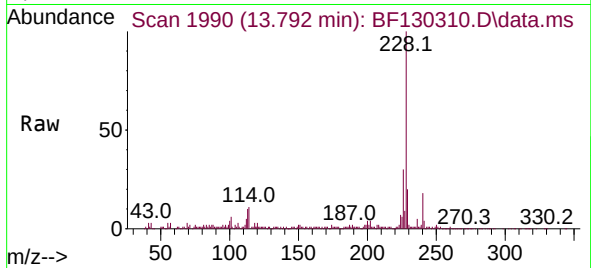
Tgt Ion:244 Resp: 304288
Ion Ratio Lower Upper
244 100
212 7.4 5.9 8.9
122 9.1 8.5 12.7





#81
Benzo(a)anthracene
Concen: 8.766 ng
RT: 13.792 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

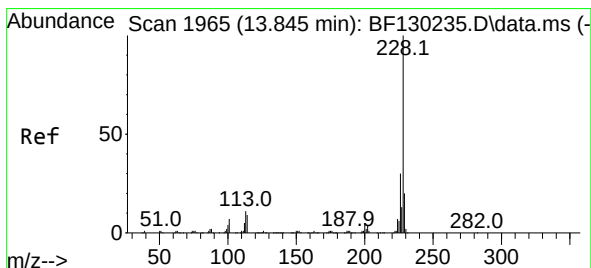
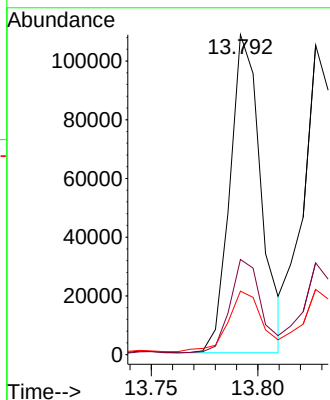
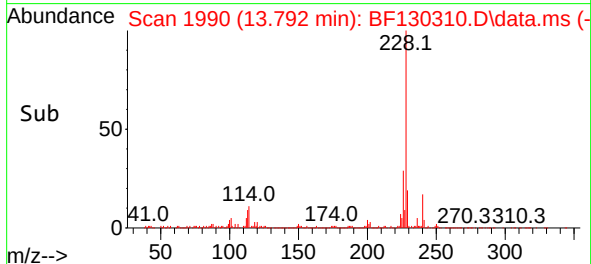
Instrument :
BNA_F
ClientSampleId :
HR-02-091522



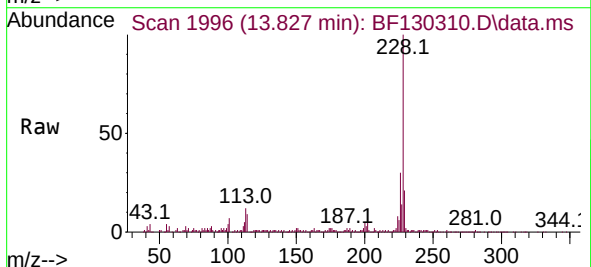
Tgt Ion:228 Resp: 110403
Ion Ratio Lower Upper
228 100
226 29.7 21.9 32.9
229 19.8 16.1 24.1

Manual Integrations
APPROVED

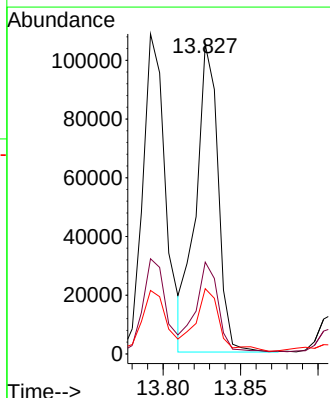
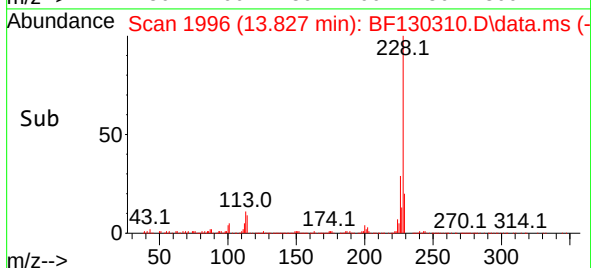
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

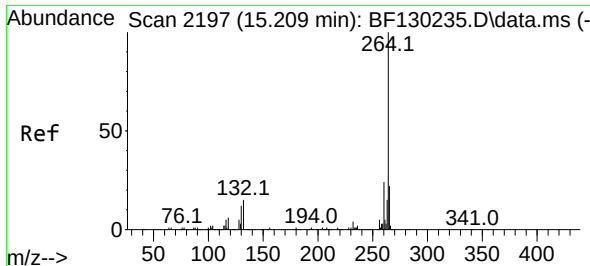


#83
Chrysene
Concen: 8.786 ng
RT: 13.827 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39



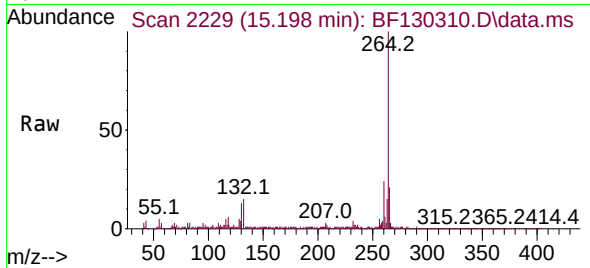
Tgt Ion:228 Resp: 105074
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.8
229 21.1 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.198 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

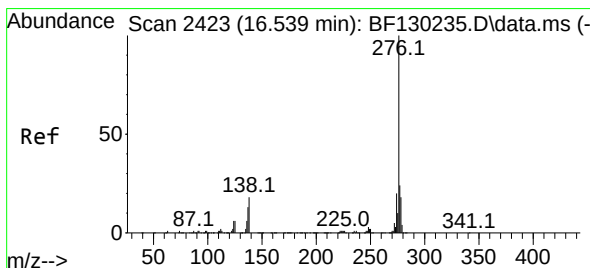
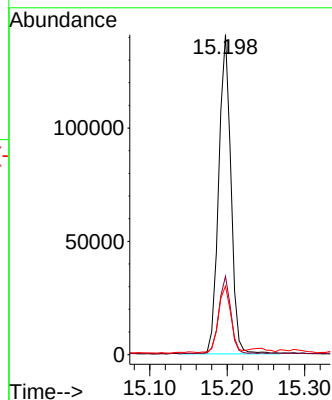
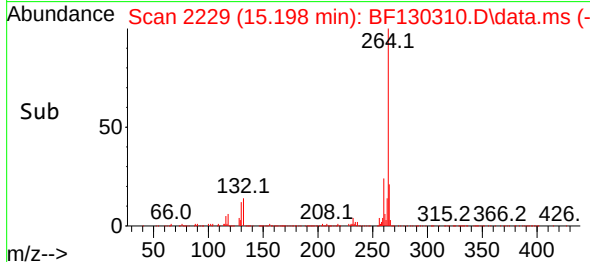
Instrument :
BNA_F
ClientSampleId :
HR-02-091522



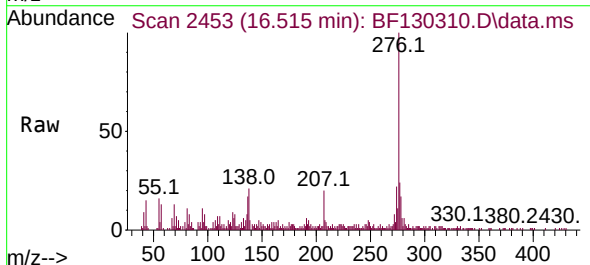
Tgt Ion:264 Resp: 154144
Ion Ratio Lower Upper
264 100
260 24.5 19.3 28.9
265 21.4 17.0 25.4

Manual Integrations
APPROVED

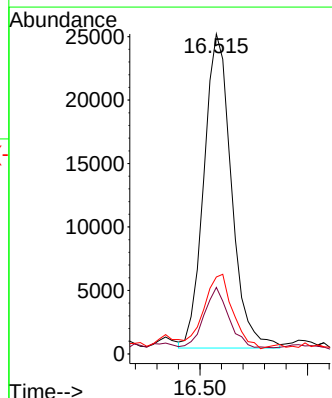
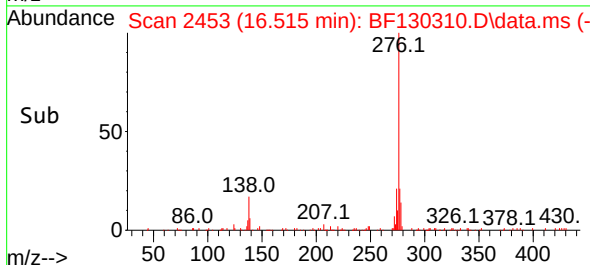
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

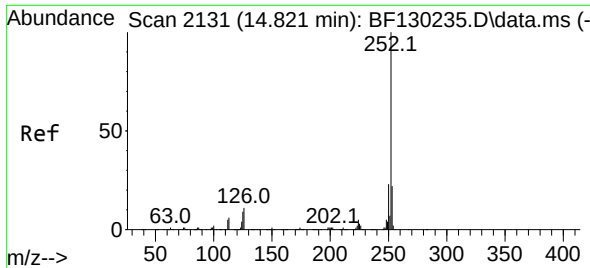


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.031 ng m
RT: 16.515 min Scan# 2453
Delta R.T. -0.012 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39



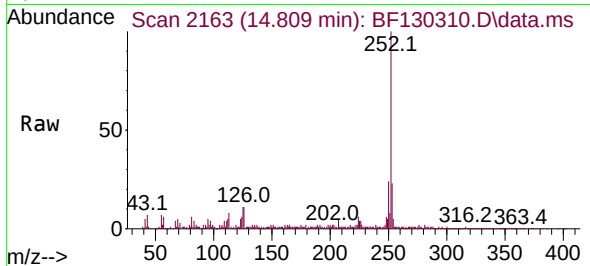
Tgt Ion:276 Resp: 44066
Ion Ratio Lower Upper
276 100
138 4.5 18.5 27.7#
277 4.7 20.2 30.4#





#88
Benzo(b)fluoranthene
Concen: 12.789 ng m
RT: 14.809 min Scan# 2116
Delta R.T. -0.000 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

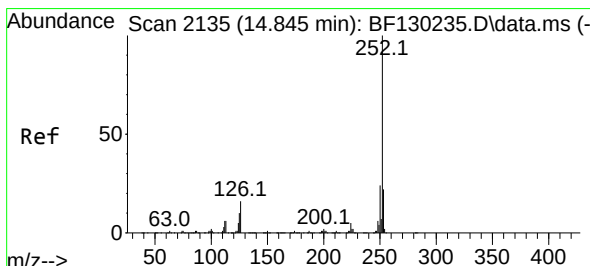
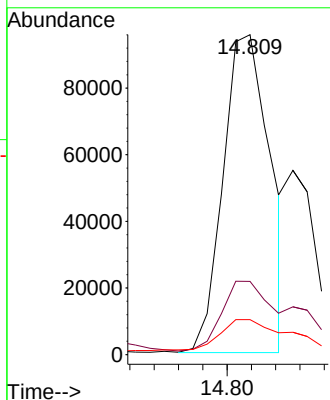
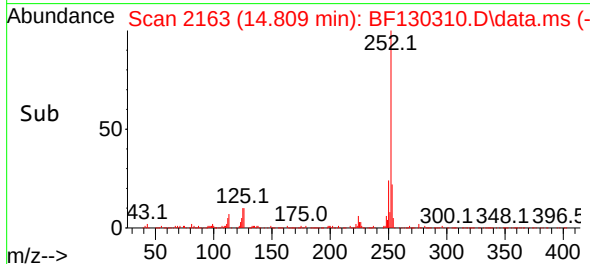
Instrument :
BNA_F
ClientSampleId :
HR-02-091522



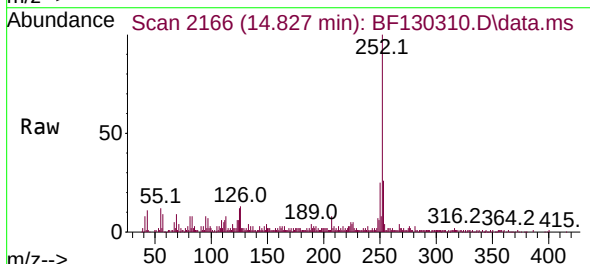
Tgt Ion:252 Resp: 128666
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 10.9 8.1 12.1

Manual Integrations
APPROVED

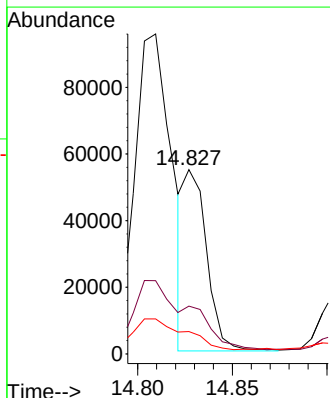
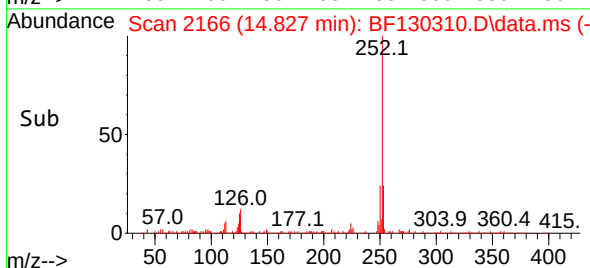
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

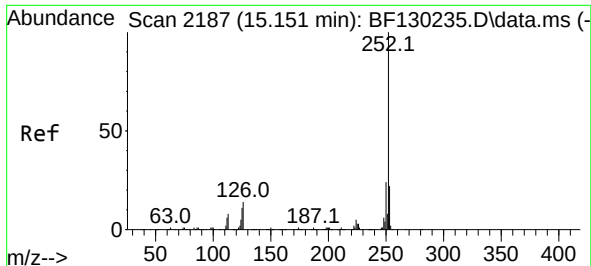


#89
Benzo(k)fluoranthene
Concen: 4.567 ng m
RT: 14.827 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39



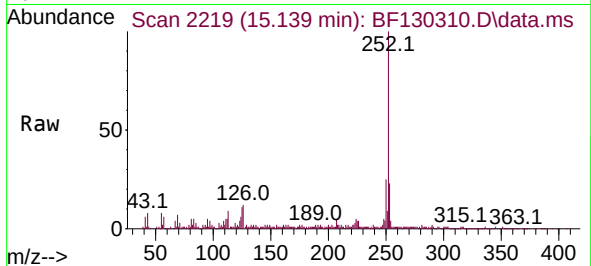
Tgt Ion:252 Resp: 45201
Ion Ratio Lower Upper
252 100
253 25.9 17.4 26.2
125 12.1 7.9 11.9#





#90
Benzo(a)pyrene
Concen: 11.106 ng
RT: 15.139 min Scan# 2187
Delta R.T. -0.000 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

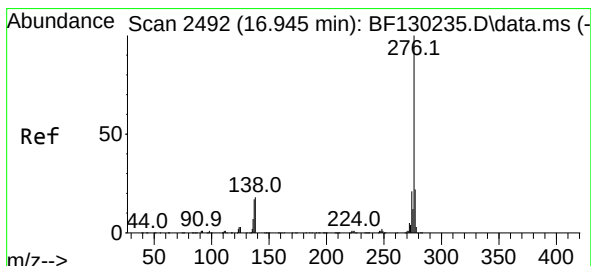
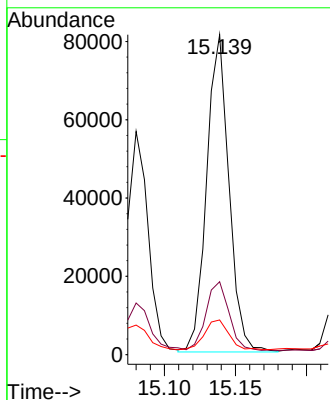
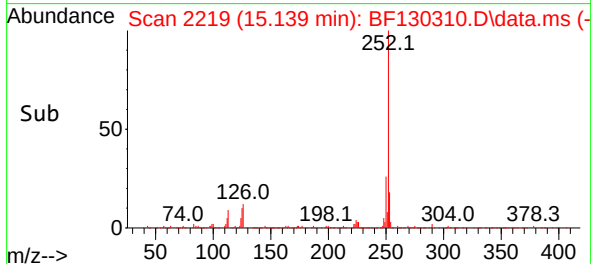
Instrument :
BNA_F
ClientSampleId :
HR-02-091522



Tgt Ion:252 Resp: 88519
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 10.8 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#92
Benzo(g,h,i)perylene
Concen: 4.550 ng
RT: 16.915 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF130310.D
Acq: 17 Sep 2022 01:39

Tgt Ion:276 Resp: 41101
Ion Ratio Lower Upper
276 100
277 22.8 18.6 27.8
138 21.7 14.6 21.8

