

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131176.D
 Acq On : 12 Nov 2022 03:41
 Operator : CG\JU
 Sample : N5508-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-110722

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/12/2022
 Supervised By : Jagrut Upadhyay 11/12/2022

Quant Time: Nov 12 04:03:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	67697	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	232149	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	112142	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	208075	20.000	ng	0.00
76) Chrysene-d12	14.069	240	127794	20.000	ng	# 0.01
86) Perylene-d12	15.568	264	94691	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	249353	62.640	ng	0.00
7) Phenol-d6	6.504	99	288018	55.342	ng	0.00
23) Nitrobenzene-d5	7.440	82	163108	31.701	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	58133	50.160	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	291750	36.318	ng	0.00
79) Terphenyl-d14	13.004	244	298434	40.945	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	30079	2.628	ng	98
75) Fluoranthene	12.633	202	48654	4.247	ng	97
78) Pyrene	12.869	202	44215	4.033	ng	95
81) Benzo(a)anthracene	14.057	228	20364	2.229	ng	# 83
83) Chrysene	14.092	228	20170	2.338	ng	# 89
87) Indeno(1,2,3-cd)pyrene	17.086	276	8625	4.888	ng	97
88) Benzo(b)fluoranthene	15.121	252	20654m	3.085	ng	
90) Benzo(a)pyrene	15.498	252	12679	2.362	ng	# 62
92) Benzo(g,h,i)perylene	17.545	276	7711	5.418	ng	# 67

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

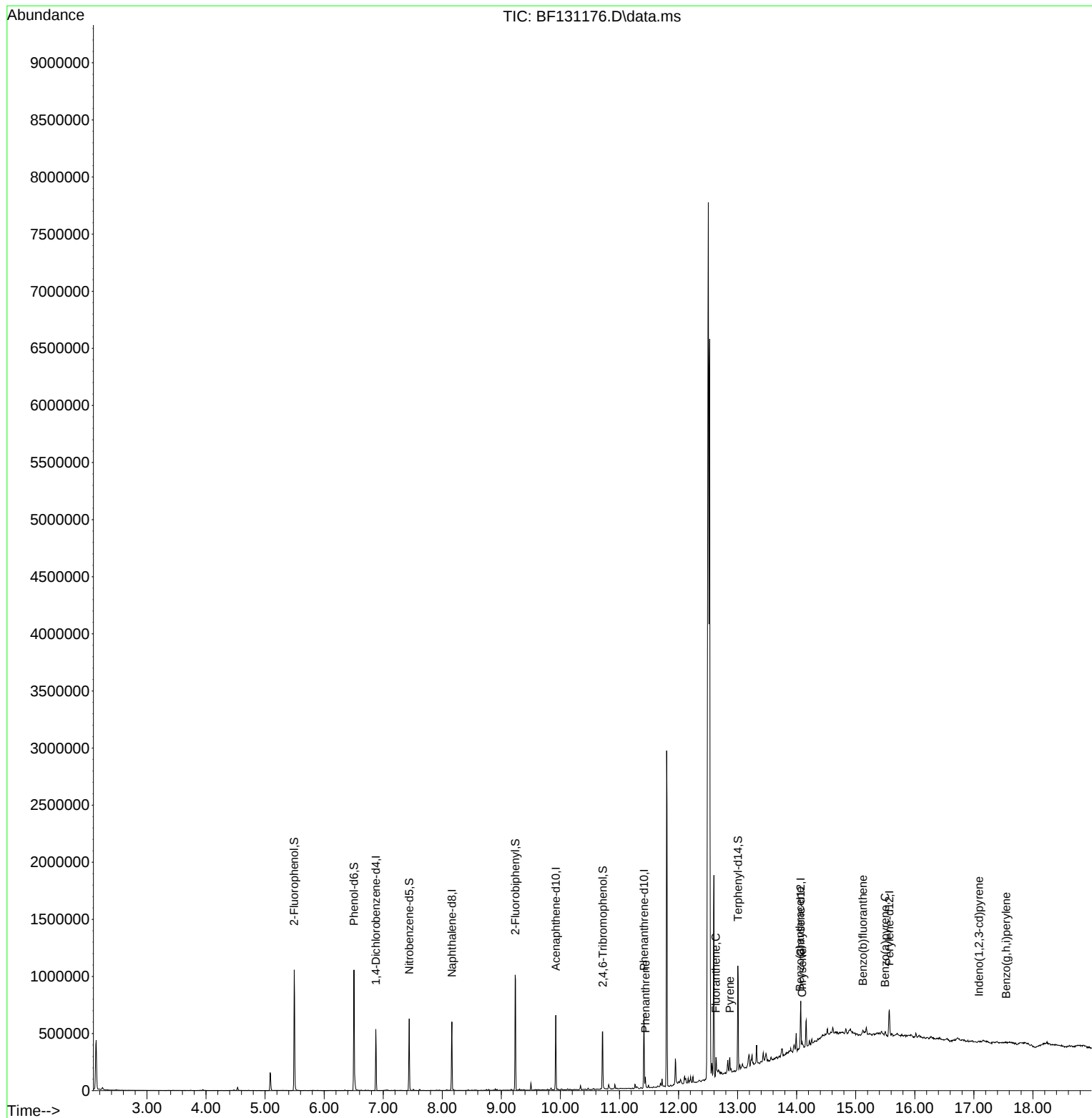
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
Data File : BF131176.D
Acq On : 12 Nov 2022 03:41
Operator : CG\JU
Sample : N5508-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

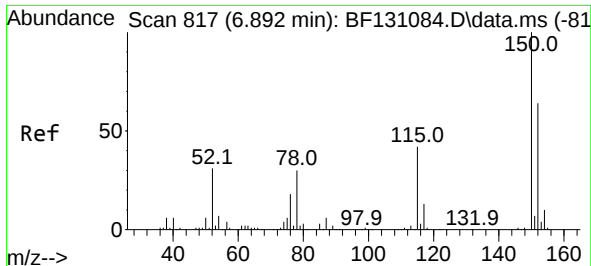
Instrument :
BNA_F
ClientSampleId :
AU-06-110722

Quant Time: Nov 12 04:03:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 12 00:03:31 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 11/12/2022
Supervised By : Jagrut Upadhyay 11/12/2022





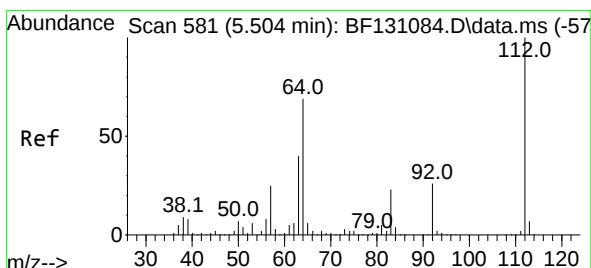
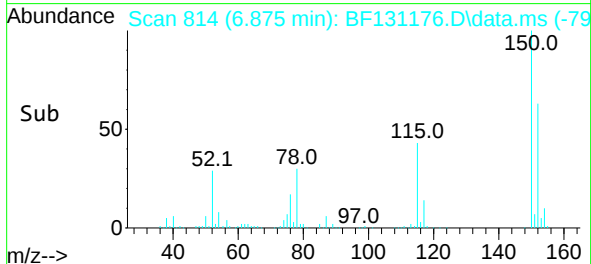
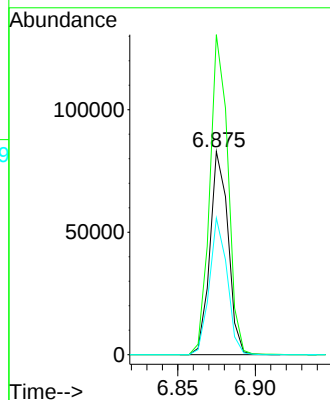
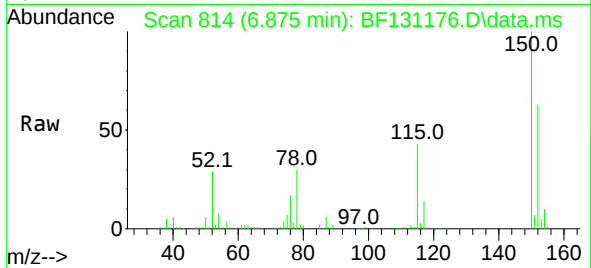
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Instrument :
BNA_F
ClientSampleId :
AU-06-110722

Tgt Ion:152 Resp: 6769
Ion Ratio Lower Upper
152 100
150 157.5 125.5 188.3
115 67.2 52.2 78.2

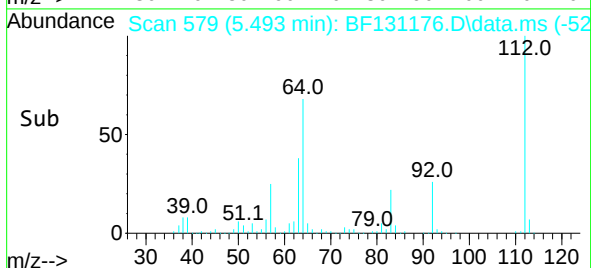
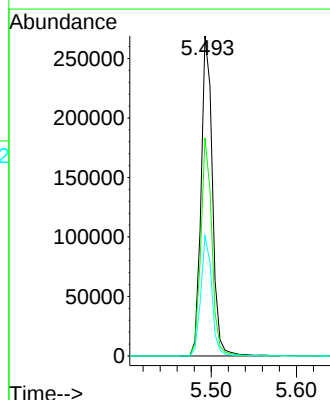
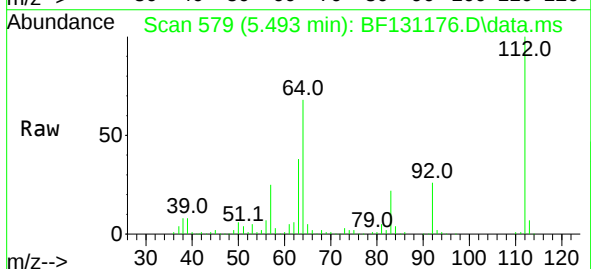
Manual Integrations
APPROVED

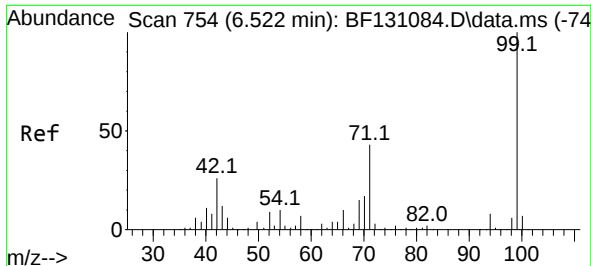
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#5
2-Fluorophenol
Concen: 62.640 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

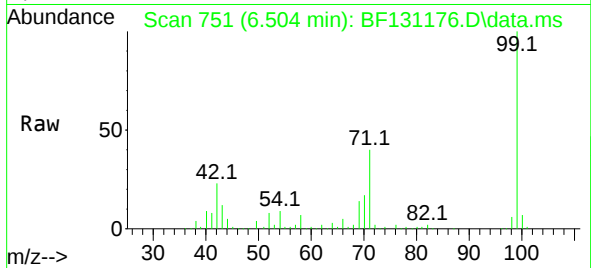
Tgt Ion:112 Resp: 249353
Ion Ratio Lower Upper
112 100
64 68.2 55.1 82.7
63 37.5 32.4 48.6





#7
Phenol-d6
Concen: 55.342 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

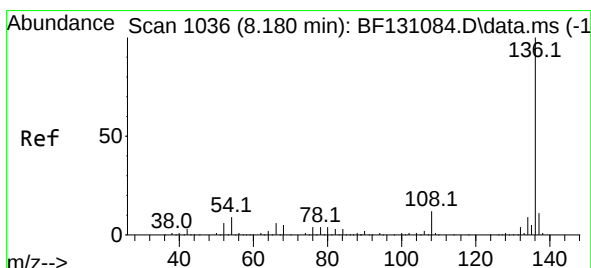
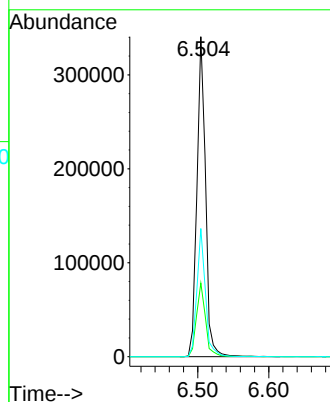
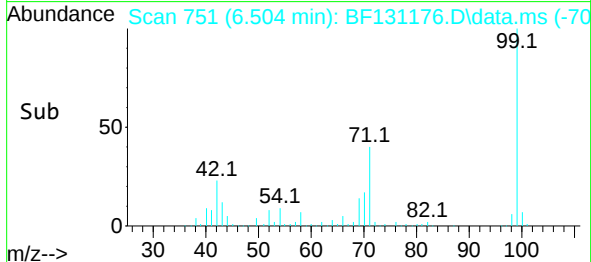
Instrument :
BNA_F
ClientSampleId :
AU-06-110722



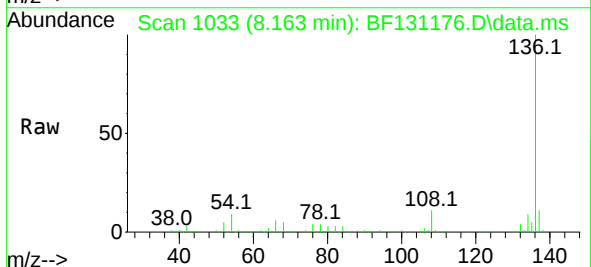
Tgt Ion: 99 Resp: 288018
Ion Ratio Lower Upper
99 100
42 23.0 20.8 31.2
71 40.1 34.2 51.4

Manual Integrations
APPROVED

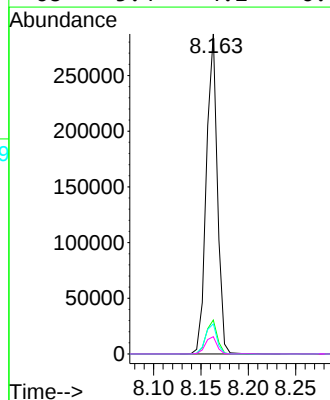
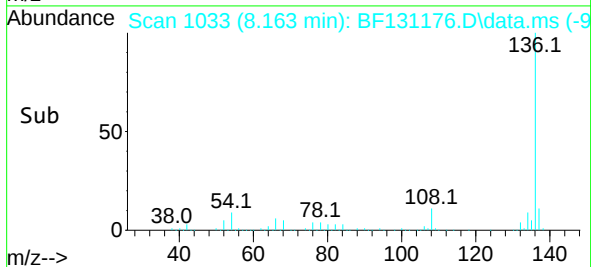
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

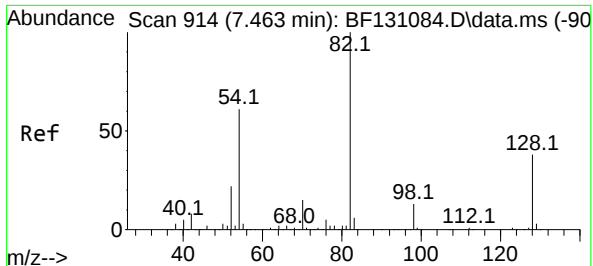


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41



Tgt Ion:136 Resp: 232149
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.4 7.2 10.8
68 5.4 4.2 6.4





#23

Nitrobenzene-d5

Concen: 31.701 ng

RT: 7.440 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF131176.D

Acq: 12 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

AU-06-110722

Tgt Ion: 82 Resp: 163108

Ion Ratio Lower Upper

82 100

128 40.8 30.5 45.7

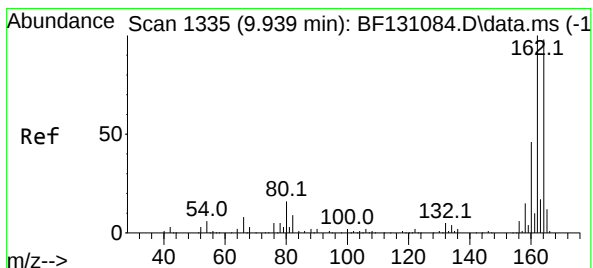
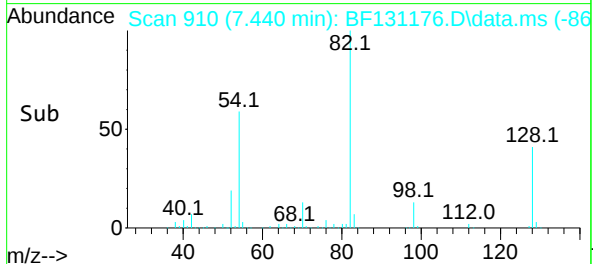
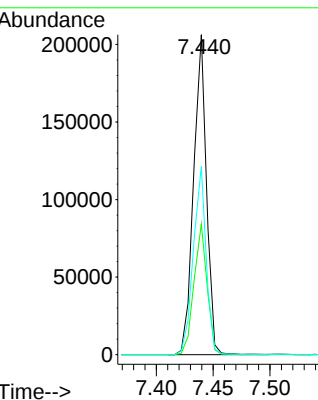
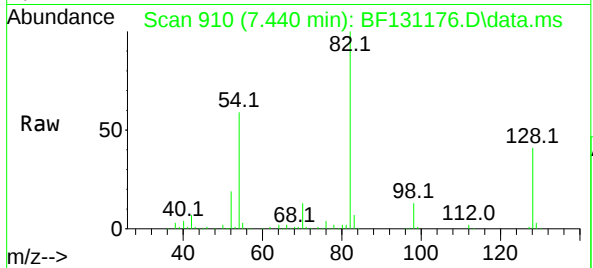
54 58.8 49.1 73.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

Delta R.T. -0.000 min

Lab File: BF131176.D

Acq: 12 Nov 2022 03:41

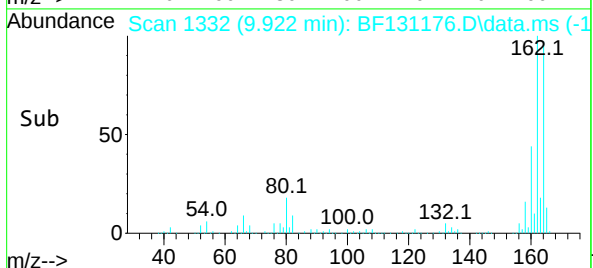
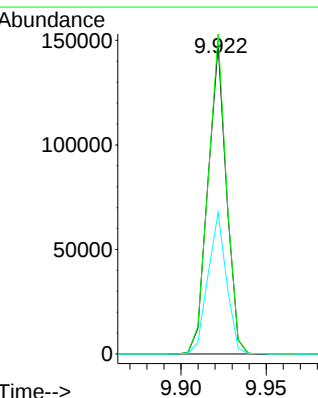
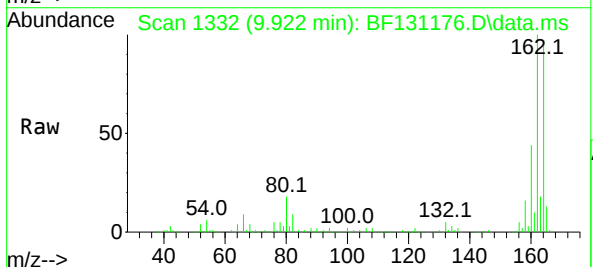
Tgt Ion:164 Resp: 112142

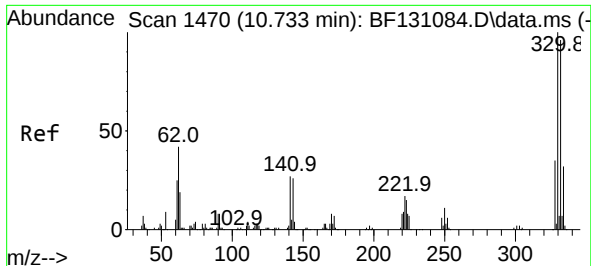
Ion Ratio Lower Upper

164 100

162 103.5 81.7 122.5

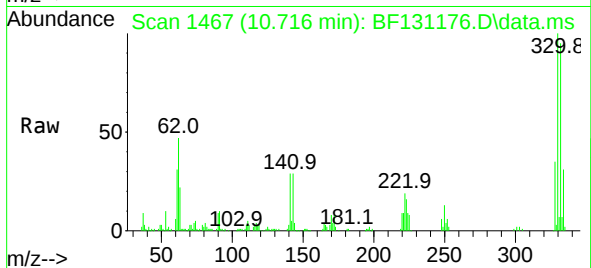
160 45.7 37.4 56.2





#42
2,4,6-Tribromophenol
Concen: 50.160 ng
RT: 10.716 min Scan# 1470
Delta R.T. 0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

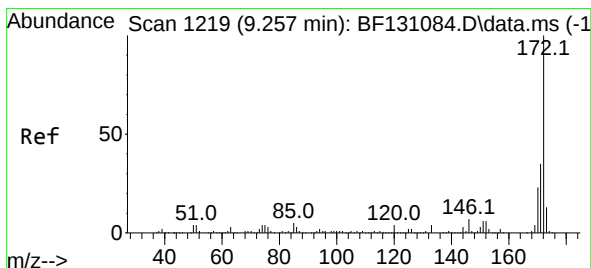
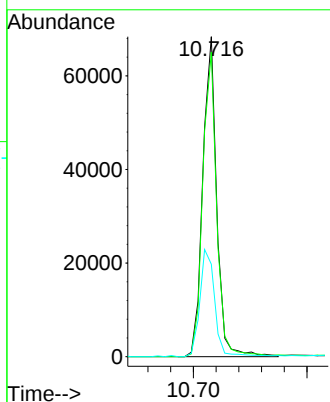
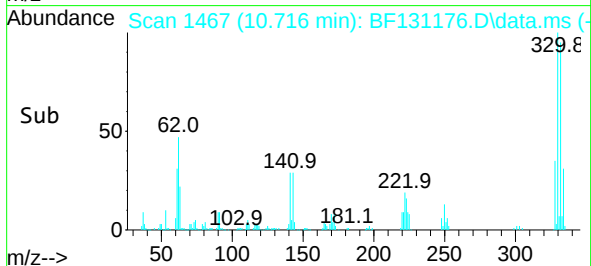
Instrument :
BNA_F
ClientSampleId :
AU-06-110722



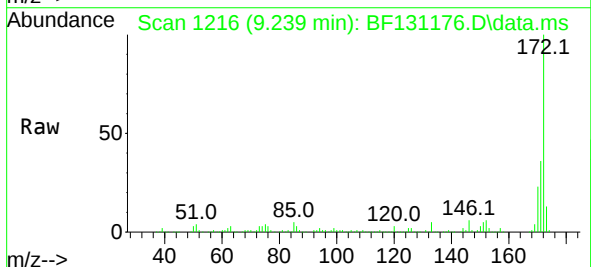
Tgt Ion: 330 Resp: 5813
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.4
141 36.3 28.5 42.7

Manual Integrations
APPROVED

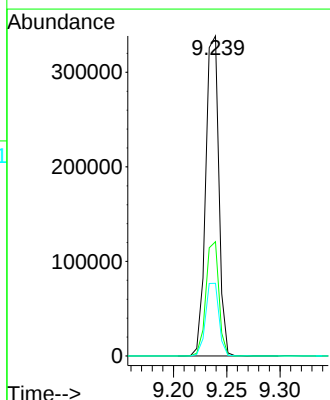
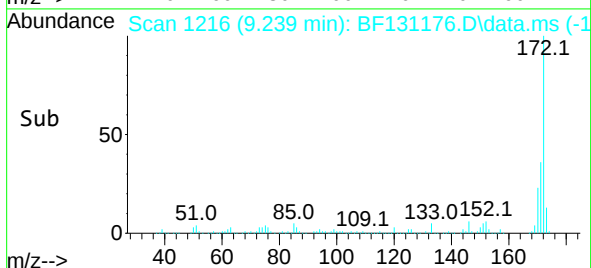
Reviewed By : Christian Giraldo 11/12/2022
Supervised By : Jagrut Upadhyay 11/12/2022

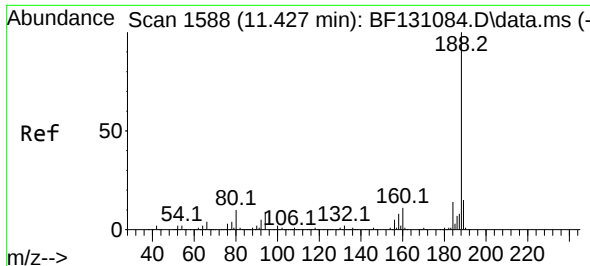


#45
2-Fluorobiphenyl
Concen: 36.318 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.000 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41



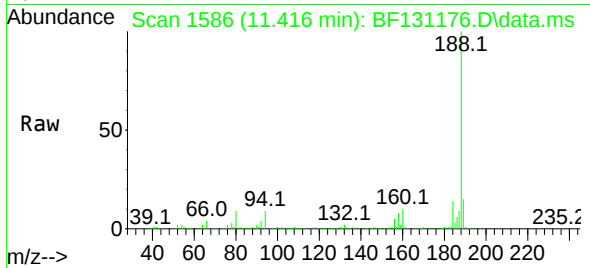
Tgt Ion: 172 Resp: 291750
Ion Ratio Lower Upper
172 100
171 35.7 27.7 41.5
170 22.7 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

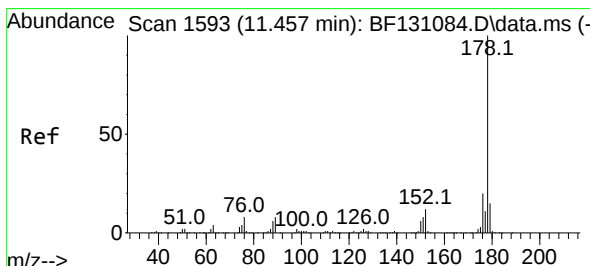
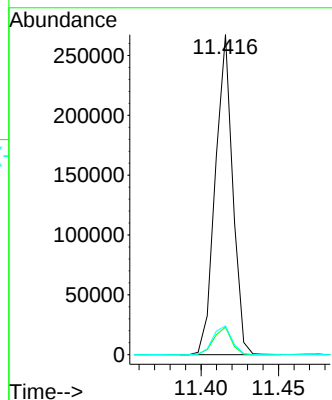
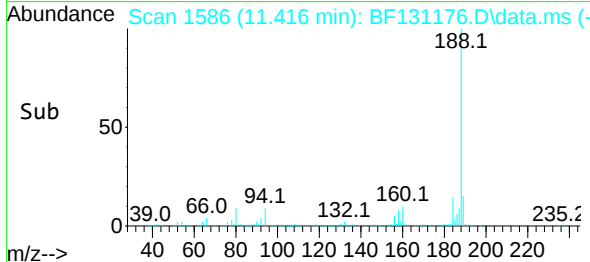
Instrument :
BNA_F
ClientSampleId :
AU-06-110722



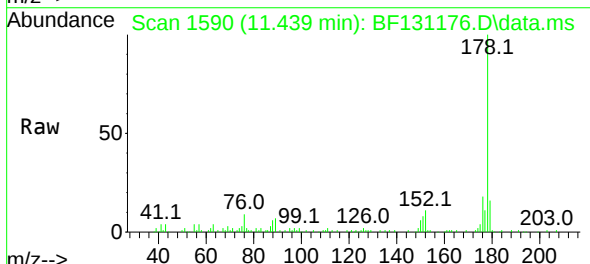
Tgt Ion:188 Resp: 208079
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 9.0 7.9 11.9

Manual Integrations
APPROVED

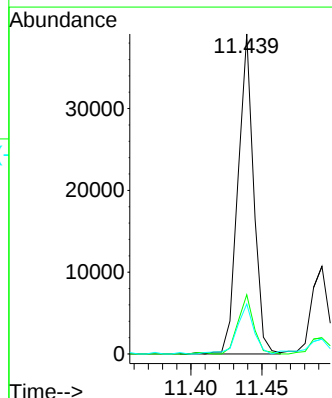
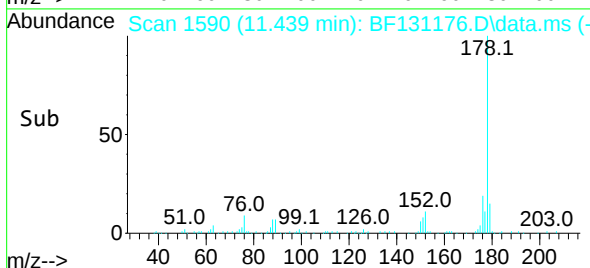
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

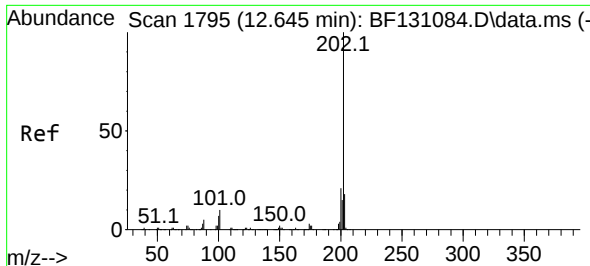


#71
Phenanthrene
Concen: 2.628 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41



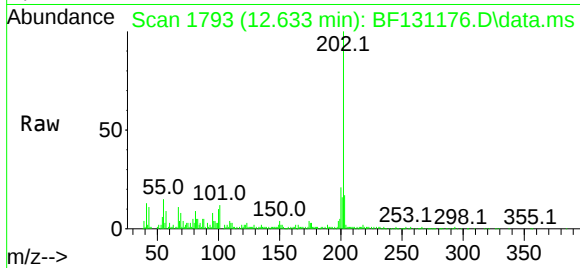
Tgt Ion:178 Resp: 30079
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.6 12.2 18.2





#75
Fluoranthene
Concen: 4.247 ng
RT: 12.633 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

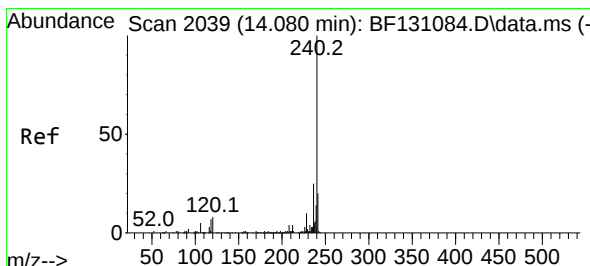
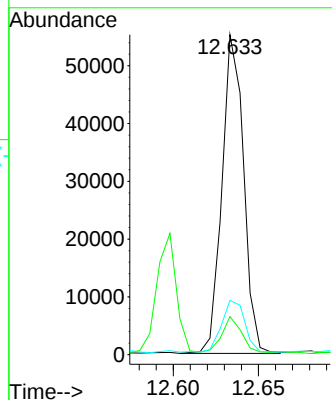
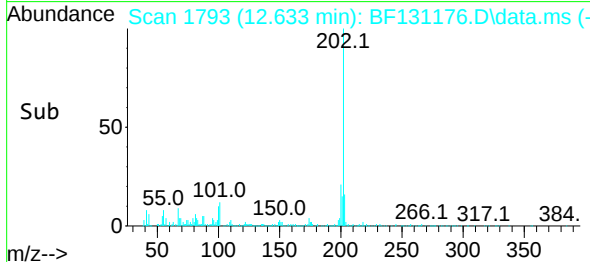
Instrument :
BNA_F
ClientSampleId :
AU-06-110722



Tgt Ion:202 Resp: 48654
Ion Ratio Lower Upper
202 100
101 11.9 0.0 30.0
203 17.0 0.0 37.7

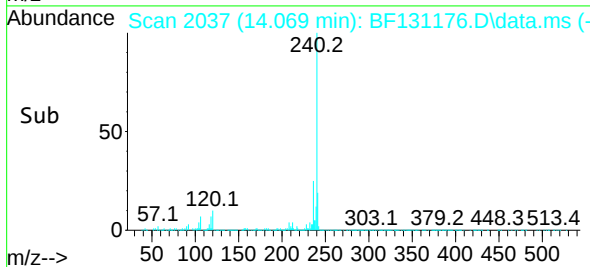
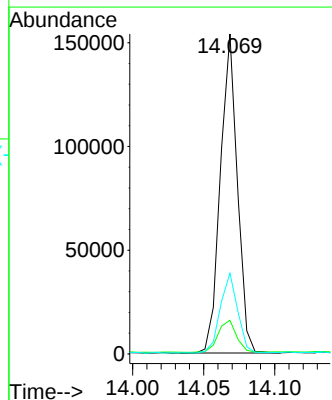
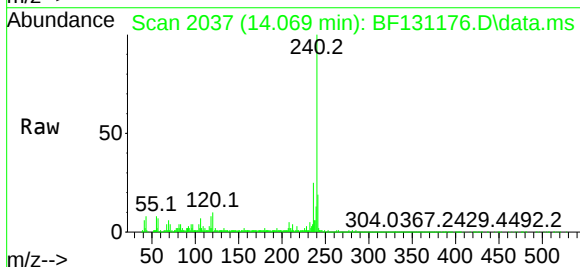
Manual Integrations
APPROVED

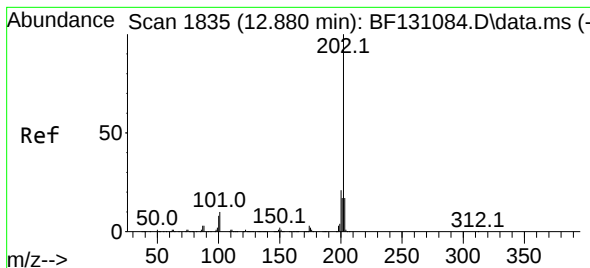
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2037
Delta R.T. 0.012 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Tgt Ion:240 Resp: 127794
Ion Ratio Lower Upper
240 100
120 10.5 6.5 9.7#
236 25.2 19.7 29.5





#78

Pyrene

Concen: 4.033 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.012 min

Lab File: BF131176.D

Acq: 12 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

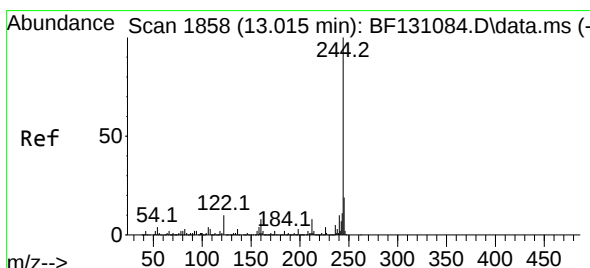
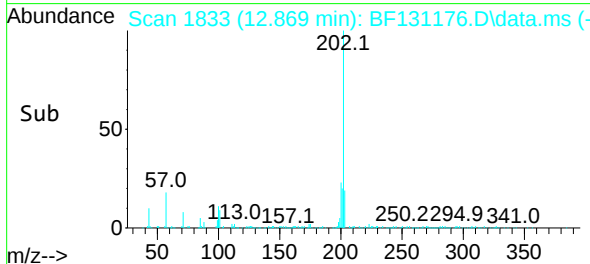
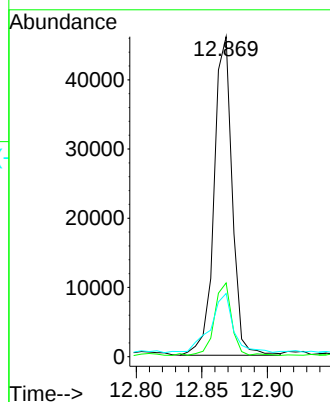
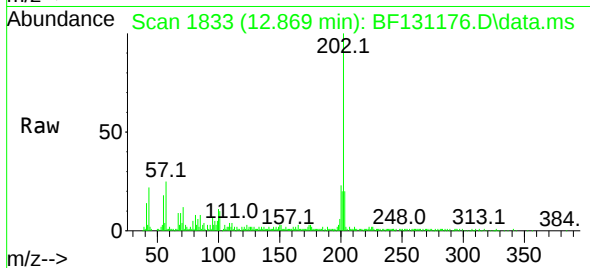
AU-06-110722

Tgt Ion:202 Resp: 44215
 Ion Ratio Lower Upper
 202 100
 200 23.1 16.8 25.2
 203 19.8 13.6 20.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022



#79

Terphenyl-d14

Concen: 40.945 ng

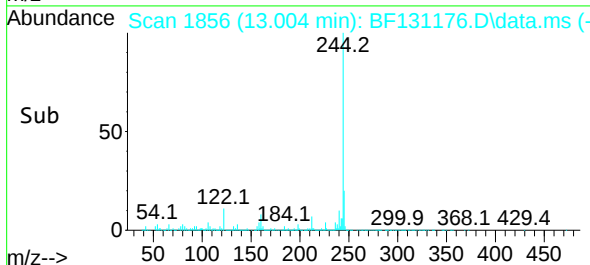
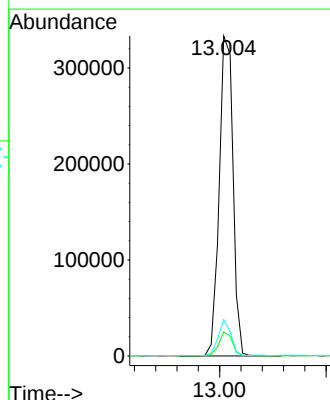
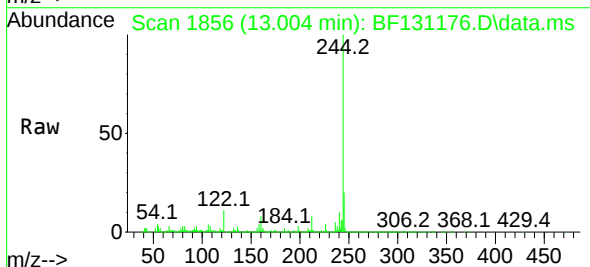
RT: 13.004 min Scan# 1856

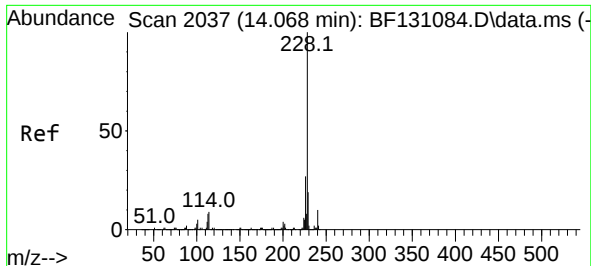
Delta R.T. 0.006 min

Lab File: BF131176.D

Acq: 12 Nov 2022 03:41

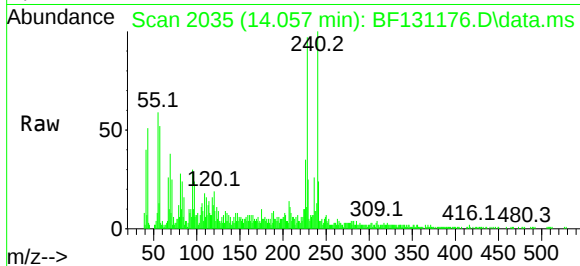
Tgt Ion:244 Resp: 298434
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 11.4 7.8 11.8





#81
Benzo(a)anthracene
Concen: 2.229 ng
RT: 14.057 min Scan# 2036
Delta R.T. 0.012 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

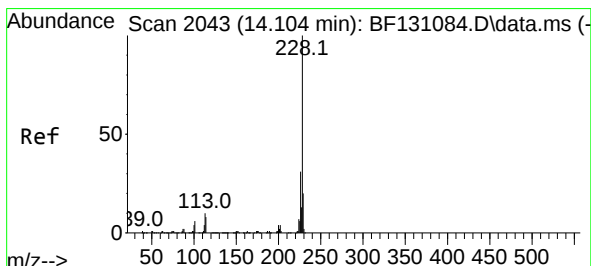
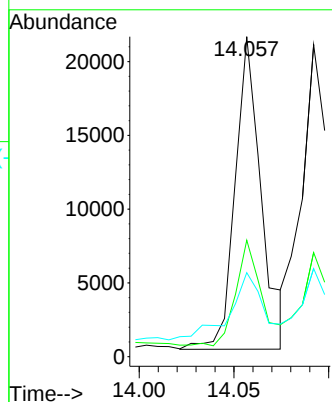
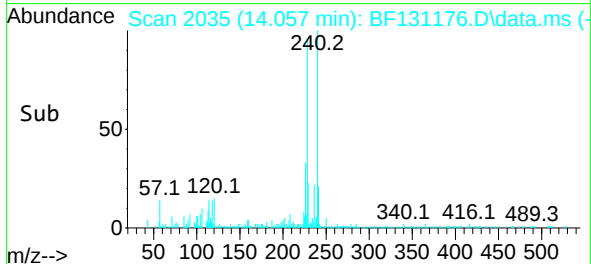
Instrument :
BNA_F
ClientSampleId :
AU-06-110722



Tgt Ion:228 Resp: 20364
Ion Ratio Lower Upper
228 100
226 36.4 21.8 32.6
229 26.2 15.4 23.2

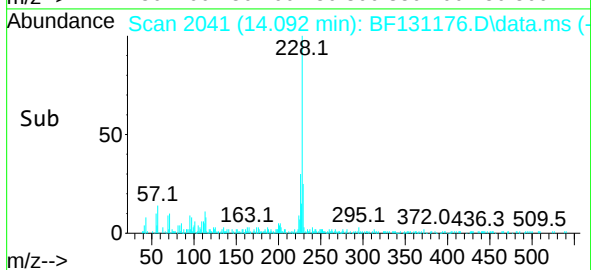
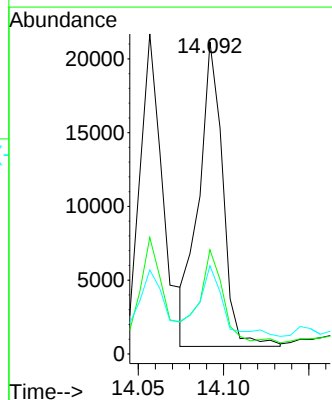
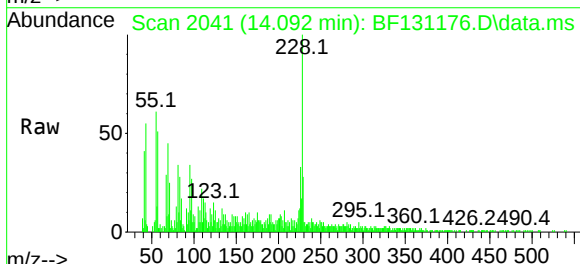
Manual Integrations
APPROVED

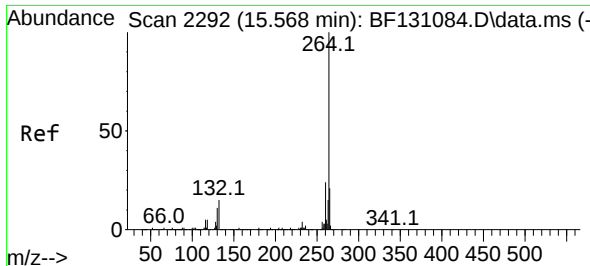
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#83
Chrysene
Concen: 2.338 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Tgt Ion:228 Resp: 20170
Ion Ratio Lower Upper
228 100
226 33.4 24.4 36.6
229 28.2 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Instrument :

BNA_F

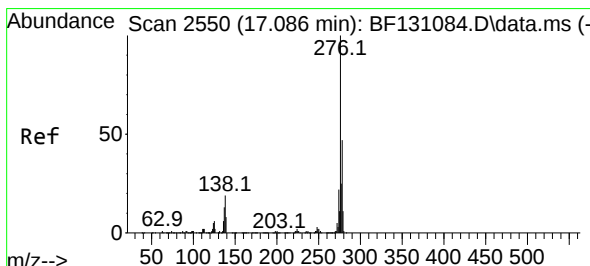
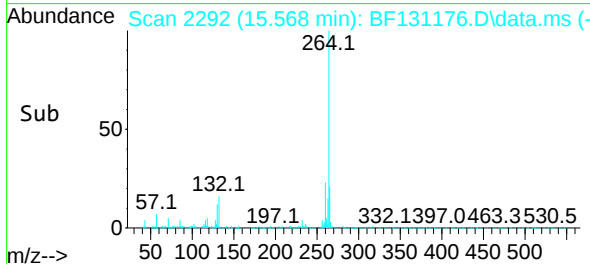
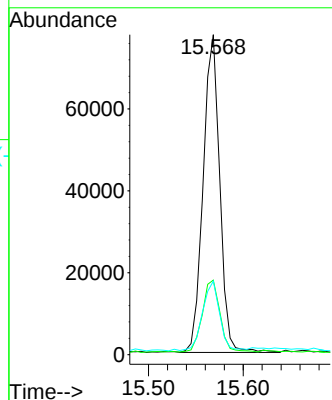
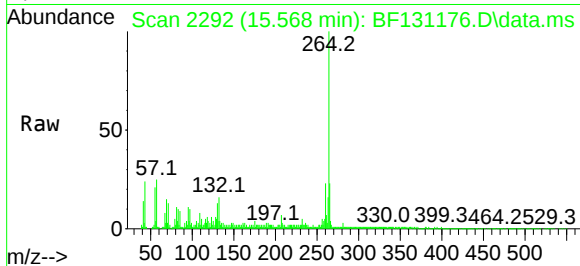
ClientSampleId :

AU-06-110722

Tgt Ion:264 Resp: 9469
Ion Ratio Lower Upper
264 100
260 23.3 19.1 28.7
265 23.0 16.7 25.1

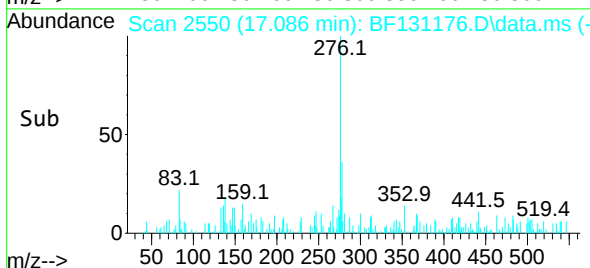
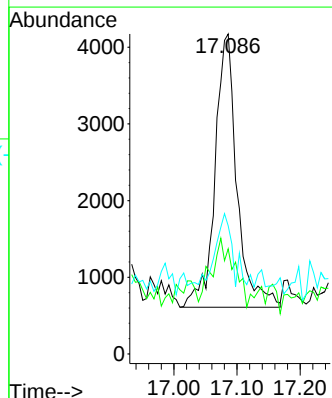
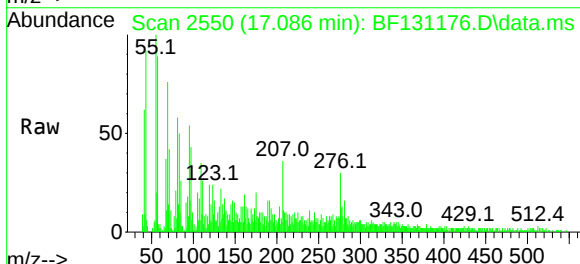
Manual Integrations
APPROVED

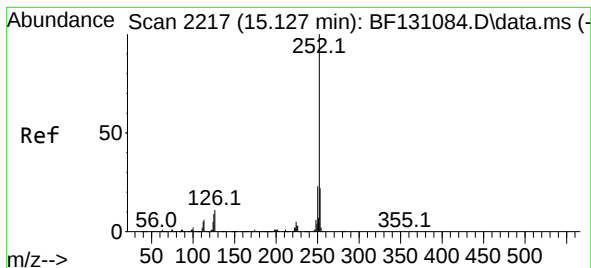
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.888 ng
RT: 17.086 min Scan# 2550
Delta R.T. 0.029 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Tgt Ion:276 Resp: 8625
Ion Ratio Lower Upper
276 100
138 22.7 16.9 25.3
277 24.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 3.085 ng m

RT: 15.121 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF131176.D

Acq: 12 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

AU-06-110722

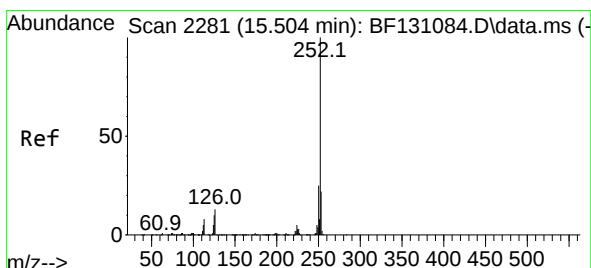
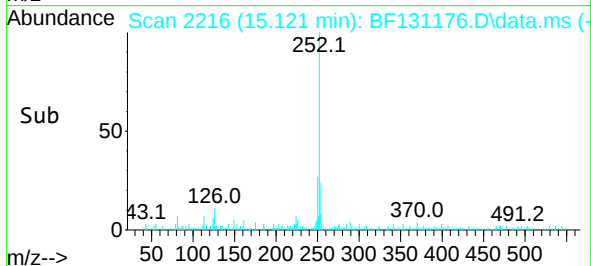
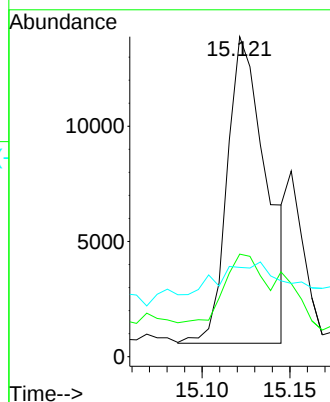
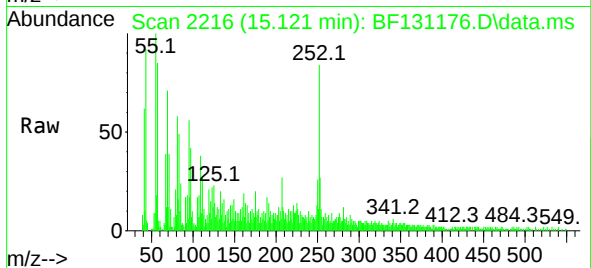
Tgt Ion:	252	Resp:	20654
Ion Ratio	Lower	Upper	
252	100		
253	32.0	17.3	25.9
125	27.9	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#90

Benzo(a)pyrene

Concen: 2.362 ng

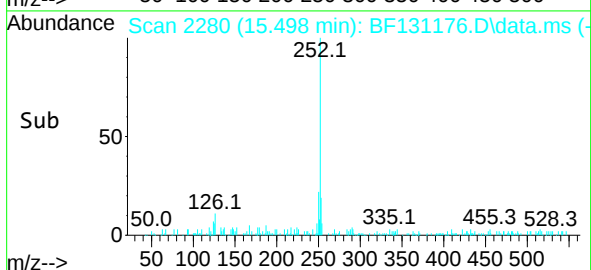
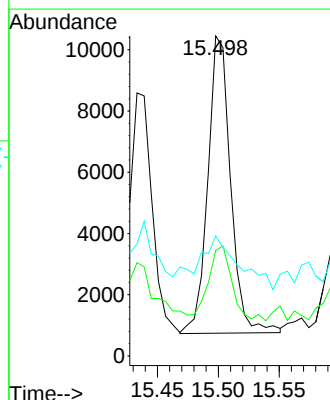
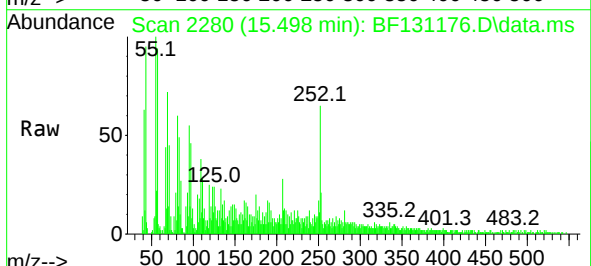
RT: 15.498 min Scan# 2280

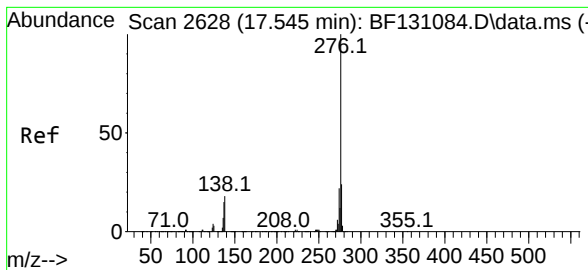
Delta R.T. 0.018 min

Lab File: BF131176.D

Acq: 12 Nov 2022 03:41

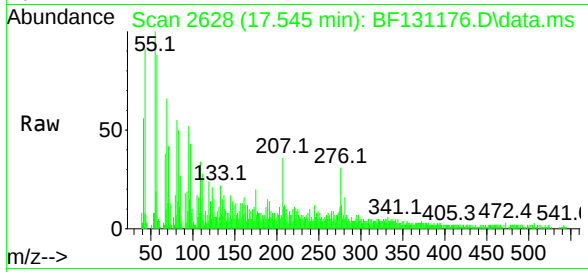
Tgt Ion:	252	Resp:	12679
Ion Ratio	Lower	Upper	
252	100		
253	33.0	17.8	26.8
125	37.5	8.1	12.1





#92
 Benzo(g,h,i)perylene
 Concen: 5.418 ng
 RT: 17.545 min Scan# 20
 Delta R.T. 0.029 min
 Lab File: BF131176.D
 Acq: 12 Nov 2022 03:41

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-110722



Tgt Ion: 276 Resp: 771

Ion	Ratio	Lower	Upper
276	100		
277	39.9	19.0	28.4
138	33.2	14.6	21.8

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/12/2022
 Supervised By : Jagrut Upadhyay 11/12/2022

