

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
 Data File : BF128918.D
 Acq On : 22 Jun 2022 01:17
 Operator : CG\JU
 Sample : N3397-01 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-2-061722

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/22/2022
 Supervised By : Jagrut Upadhyay 06/22/2022

Quant Time: Jun 22 04:00:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 01:02:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	111484	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	398387	20.000	ng	# 0.00
39) Acenaphthene-d10	9.792	164	188591	20.000	ng	0.00
64) Phenanthrene-d10	11.274	188	304019	20.000	ng	0.00
76) Chrysene-d12	13.921	240	223762	20.000	ng	# 0.00
86) Perylene-d12	15.362	264	159976	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	47304	6.759	ng	0.00
7) Phenol-d6	6.416	99	59495	6.964	ng	0.00
23) Nitrobenzene-d5	7.316	82	41148	4.809	ng	-0.01
42) 2,4,6-Tribromophenol	10.580	330	9957	4.468	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	75432	5.603	ng	0.00
79) Terphenyl-d14	12.863	244	67838	5.268	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.057	128	74814	3.659	ng	98
37) 2-Methylnaphthalene	8.751	142	60176	4.627	ng	98
38) 1-Methylnaphthalene	8.845	142	49228	3.918	ng	95
52) Acenaphthene	9.822	154	28646	2.661	ng	94
58) Fluorene	10.339	166	69909	5.827	ng	98
71) Phenanthrene	11.304	178	426703	27.982	ng	98
72) Anthracene	11.351	178	106224	7.038	ng	98
75) Fluoranthene	12.492	202	276532	17.349	ng	97
78) Pyrene	12.721	202	365191	21.936	ng	99
81) Benzo(a)anthracene	13.910	228	123399	8.847	ng	95
83) Chrysene	13.945	228	110093	8.279	ng	97
87) Indeno(1,2,3-cd)pyrene	16.786	276	26724	2.772	ng	# 91
88) Benzo(b)fluoranthene	14.951	252	73924m	7.232	ng	
89) Benzo(k)fluoranthene	14.974	252	20877m	2.171	ng	
90) Benzo(a)pyrene	15.304	252	65326	8.131	ng	94
92) Benzo(g,h,i)perylene	17.221	276	31821	4.014	ng	# 93

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

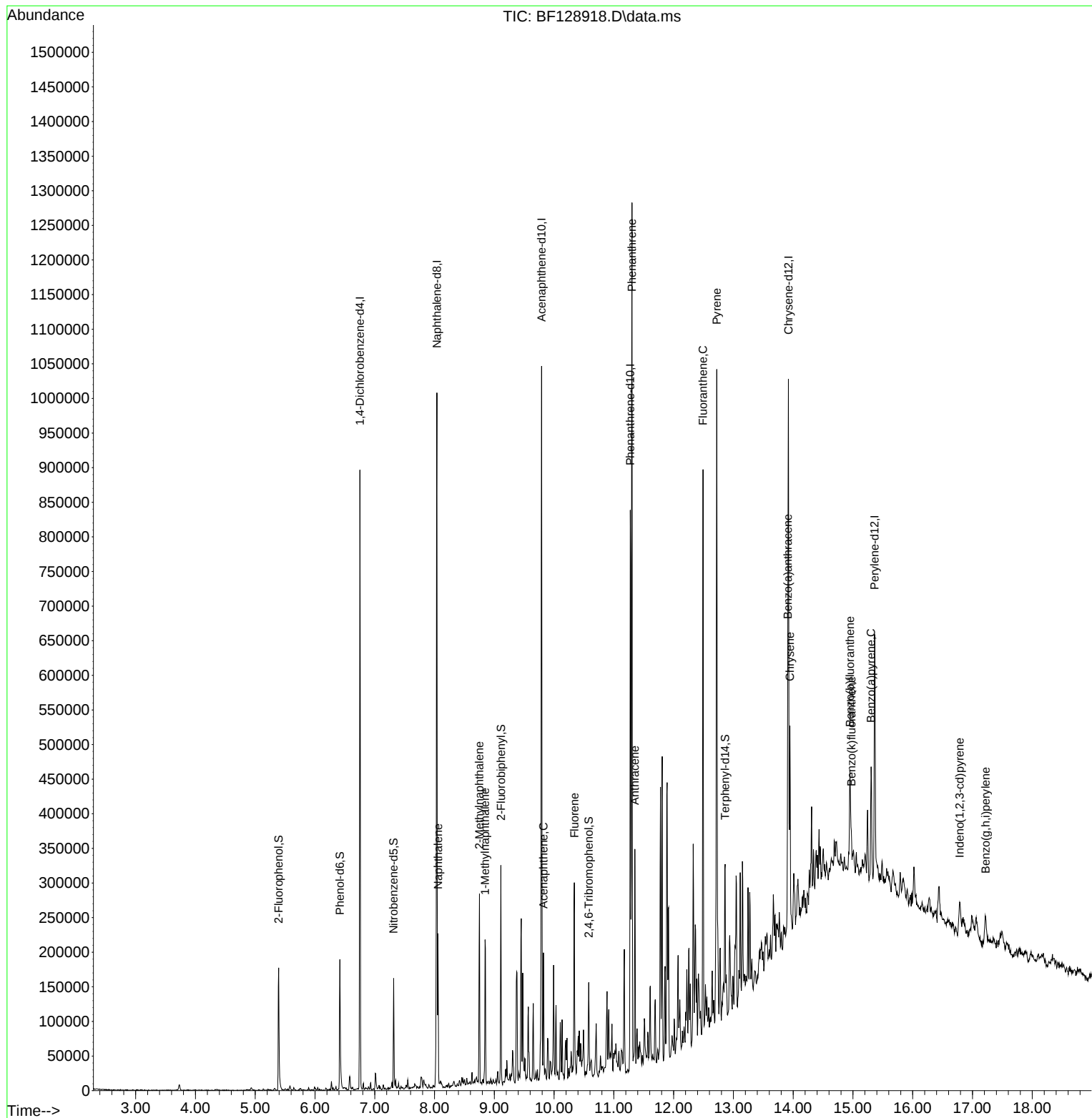
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
Data File : BF128918.D
Acq On : 22 Jun 2022 01:17
Operator : CG\JU
Sample : N3397-01 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-061722

Quant Time: Jun 22 04:00:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 01:02:29 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

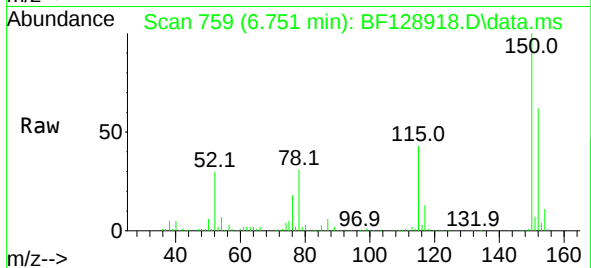
Reviewed By : Christian Giraldo 06/22/2022
Supervised By : Jagrut Upadhyay 06/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

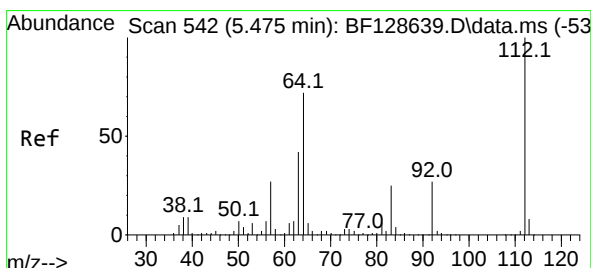
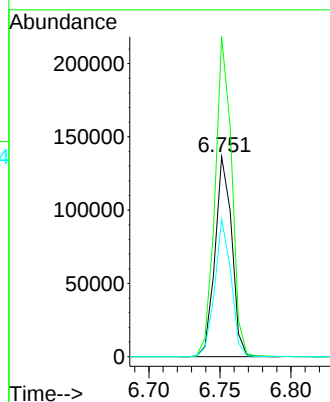
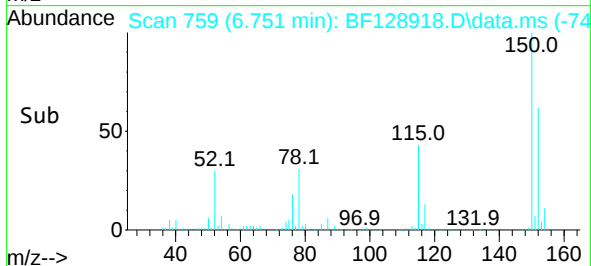
Instrument :
BNA_F
ClientSampleId :
OR-2-061722



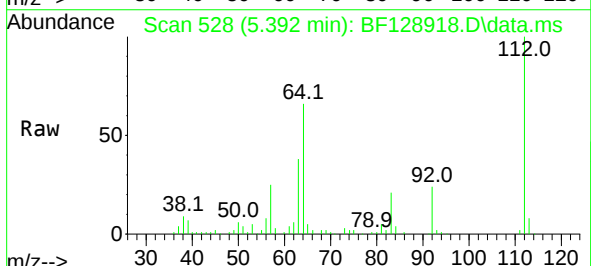
Tgt Ion:152 Resp: 111484
Ion Ratio Lower Upper
152 100
150 160.0 123.7 185.5
115 68.8 49.9 74.9

Manual Integrations
APPROVED

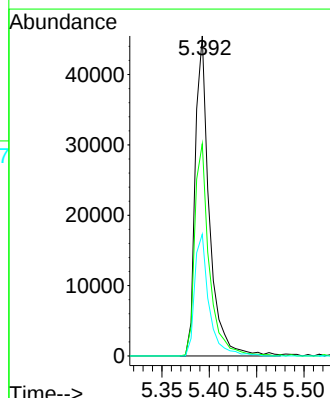
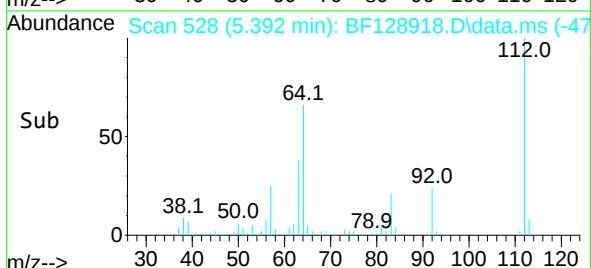
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022

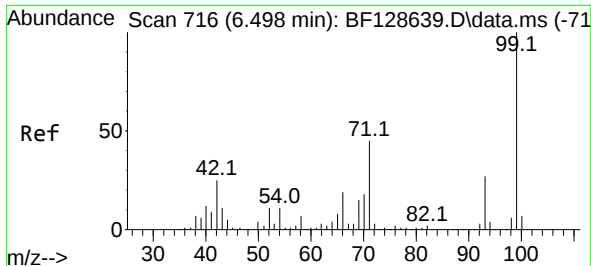


#5
2-Fluorophenol
Concen: 6.759 ng
RT: 5.392 min Scan# 528
Delta R.T. 0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17



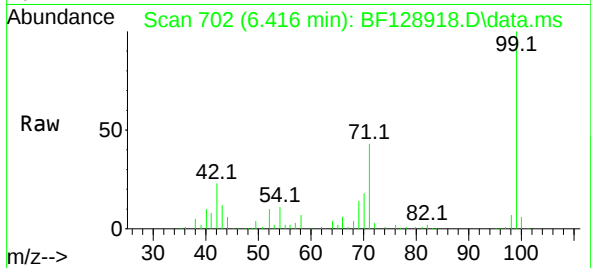
Tgt Ion:112 Resp: 47304
Ion Ratio Lower Upper
112 100
64 66.3 53.3 79.9
63 38.1 28.0 42.0





#7
Phenol-d6
Concen: 6.964 ng
RT: 6.416 min Scan# 702
Delta R.T. -0.000 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

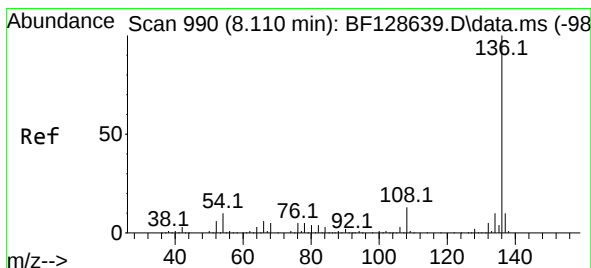
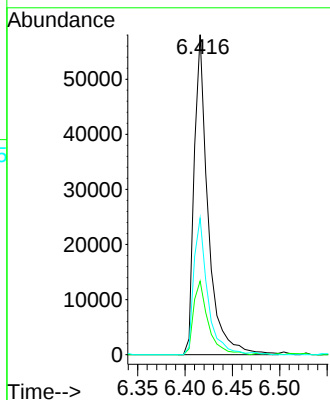
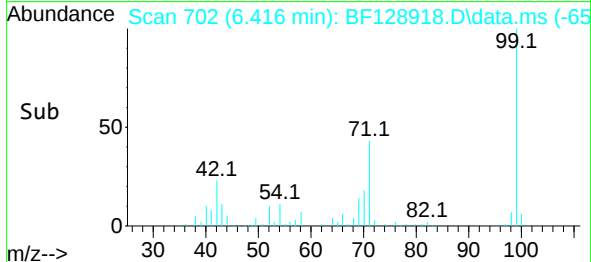
Instrument :
BNA_F
ClientSampleId :
OR-2-061722



Tgt Ion: 99 Resp: 5949
Ion Ratio Lower Upper
99 100
42 23.0 17.3 25.9
71 42.7 28.9 43.3

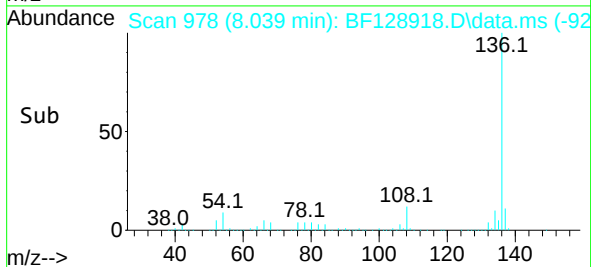
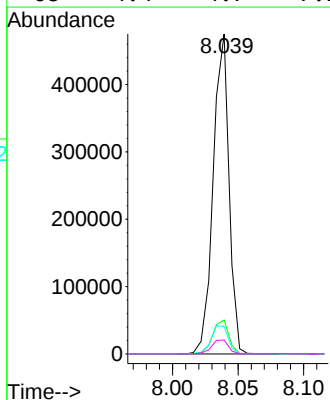
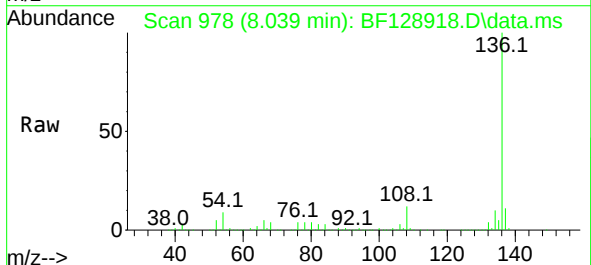
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 978
Delta R.T. -0.000 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

Tgt Ion:136 Resp: 398387
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.6 7.5 11.3
68 4.4 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 4.809 ng

RT: 7.316 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128918.D

Acq: 22 Jun 2022 01:17

Instrument :

BNA_F

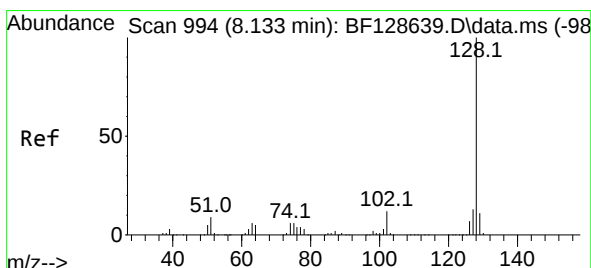
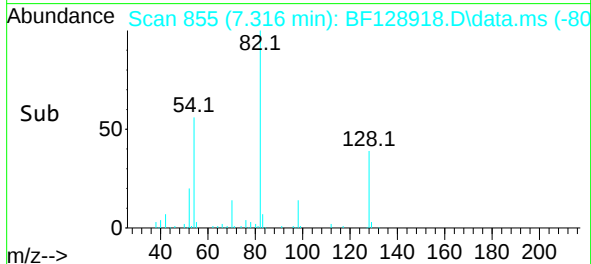
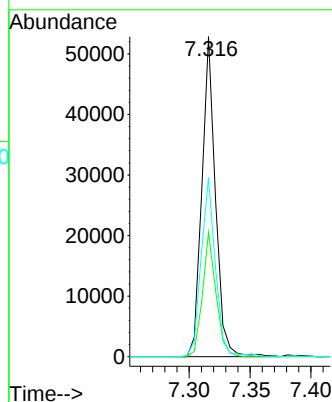
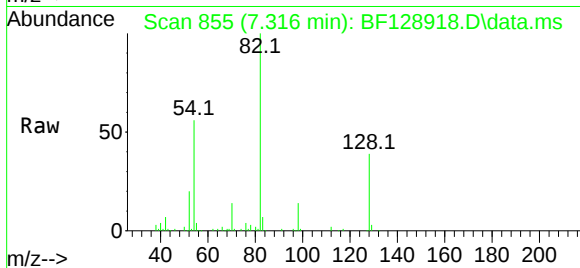
ClientSampleId :

OR-2-061722

Tgt Ion: 82 Resp: 41148
 Ion Ratio Lower Upper
 82 100
 128 38.9 34.0 51.0
 54 55.9 46.9 70.3

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 06/22/2022
 Supervised By :Jagrut Upadhyay 06/22/2022



#31

Naphthalene

Concen: 3.659 ng

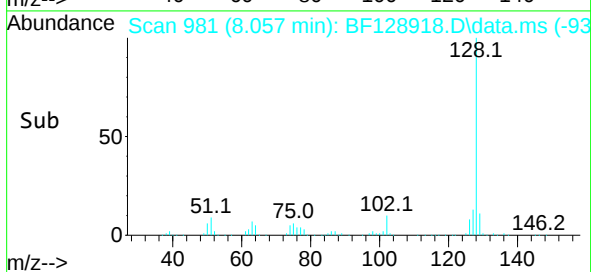
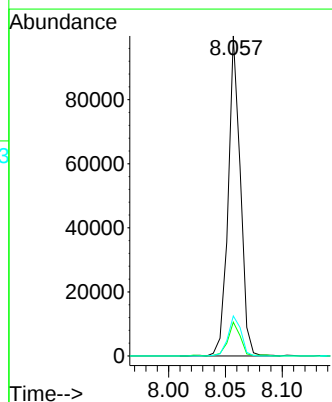
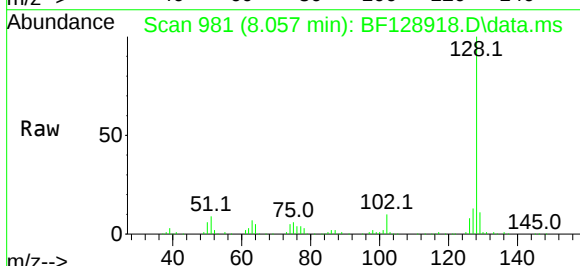
RT: 8.057 min Scan# 981

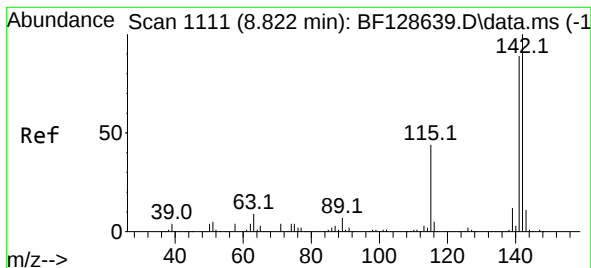
Delta R.T. -0.006 min

Lab File: BF128918.D

Acq: 22 Jun 2022 01:17

Tgt Ion:128 Resp: 74814
 Ion Ratio Lower Upper
 128 100
 129 10.6 9.2 13.8
 127 12.5 10.5 15.7





#37

2-Methylnaphthalene

Concen: 4.627 ng

RT: 8.751 min Scan# 1109

Delta R.T. -0.000 min

Lab File: BF128918.D

Acq: 22 Jun 2022 01:17

Instrument :

BNA_F

ClientSampleId :

OR-2-061722

Tgt Ion:142 Resp: 60170

Ion Ratio Lower Upper

142 100

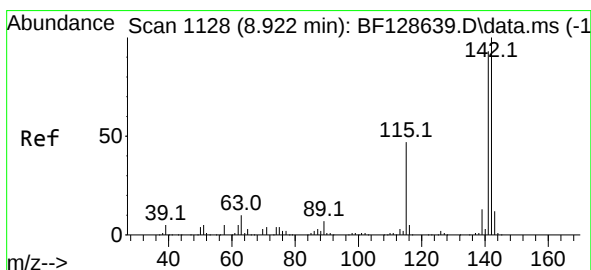
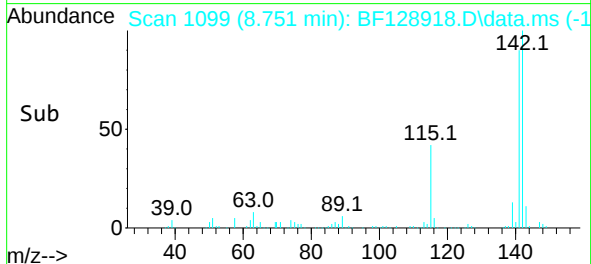
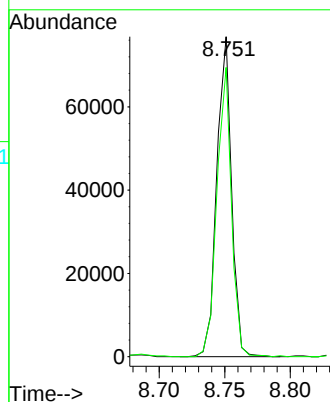
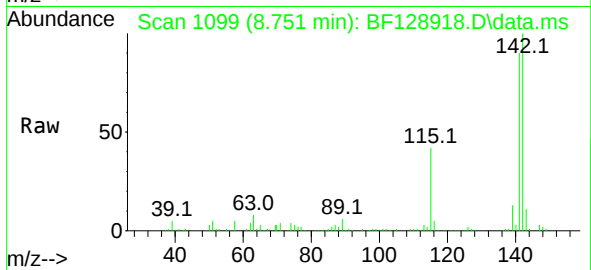
141 90.4 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/22/2022

Supervised By :Jagrut Upadhyay 06/22/2022



#38

1-Methylnaphthalene

Concen: 3.918 ng

RT: 8.845 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BF128918.D

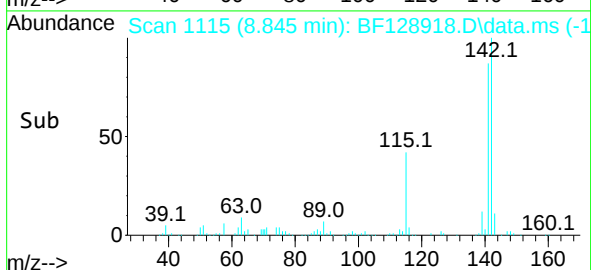
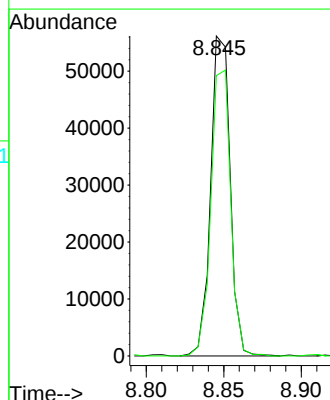
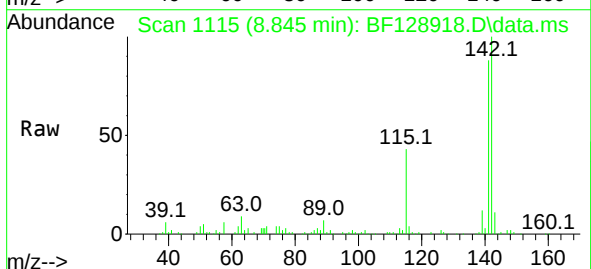
Acq: 22 Jun 2022 01:17

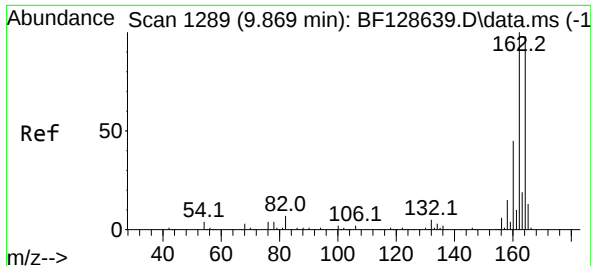
Tgt Ion:142 Resp: 49228

Ion Ratio Lower Upper

142 100

141 87.6 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF128918.D

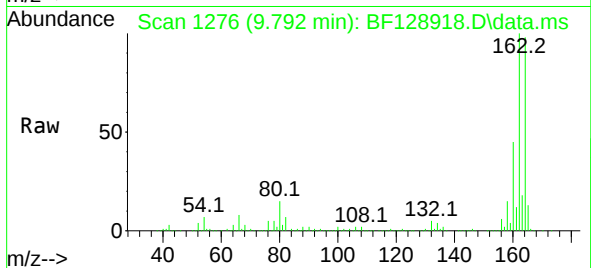
Acq: 22 Jun 2022 01:17

Instrument :

BNA_F

ClientSampleId :

OR-2-061722



Tgt Ion:164 Resp: 18859

Ion Ratio Lower Upper

164 100

162 101.6 79.5 119.3

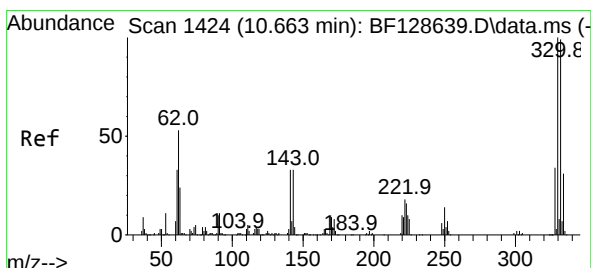
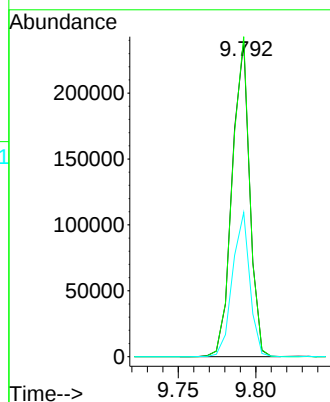
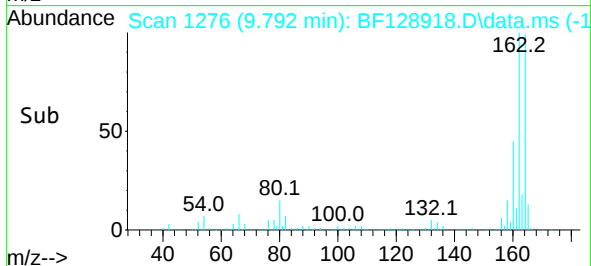
160 45.8 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/22/2022

Supervised By :Jagrut Upadhyay 06/22/2022



#42

2,4,6-Tribromophenol

Concen: 4.468 ng

RT: 10.580 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF128918.D

Acq: 22 Jun 2022 01:17

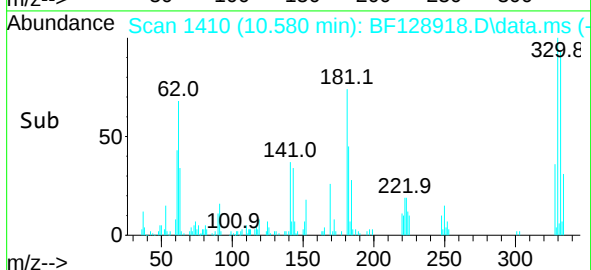
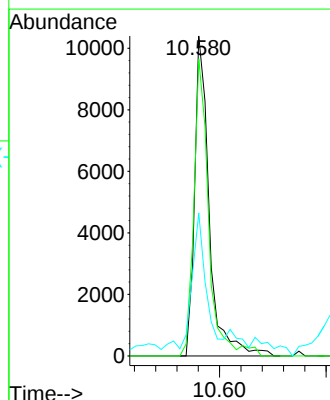
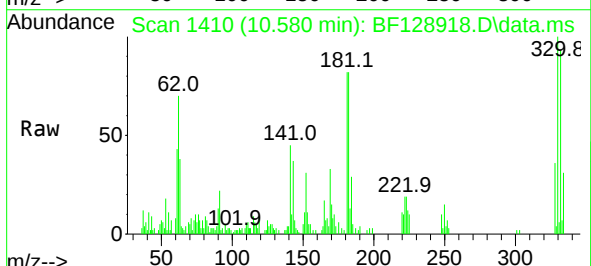
Tgt Ion:330 Resp: 9957

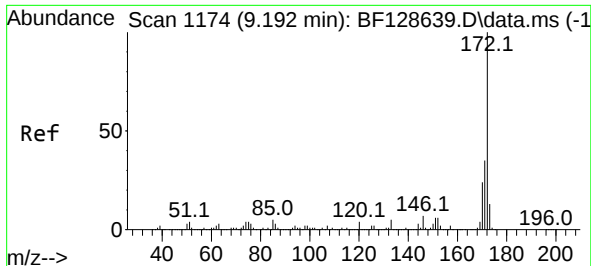
Ion Ratio Lower Upper

330 100

332 93.8 76.8 115.2

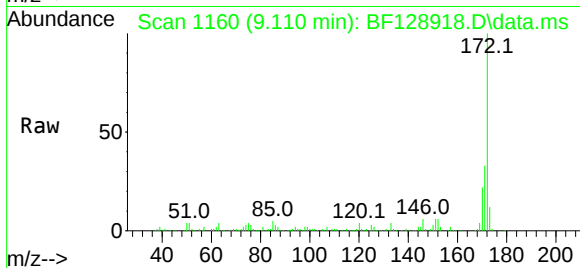
141 41.1 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 5.603 ng
RT: 9.110 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

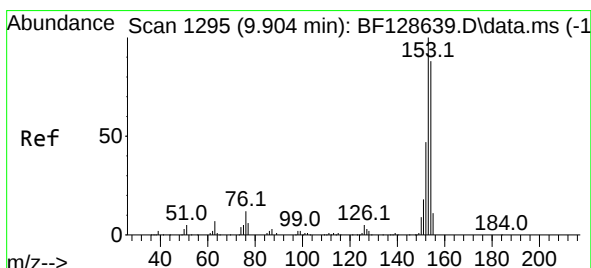
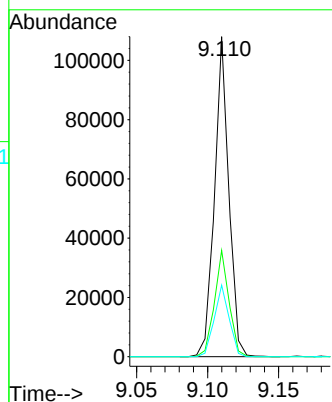
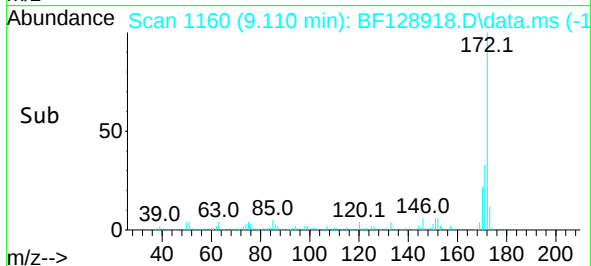
Instrument :
BNA_F
ClientSampleId :
OR-2-061722



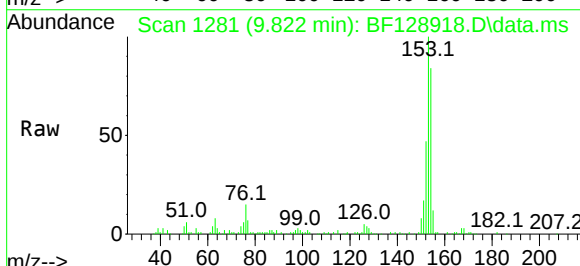
Tgt Ion:172 Resp: 75432
Ion Ratio Lower Upper
172 100
171 33.2 28.8 43.2
170 22.3 19.8 29.8

Manual Integrations
APPROVED

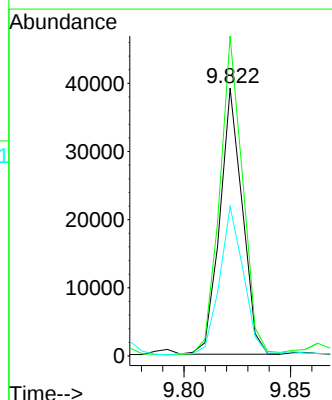
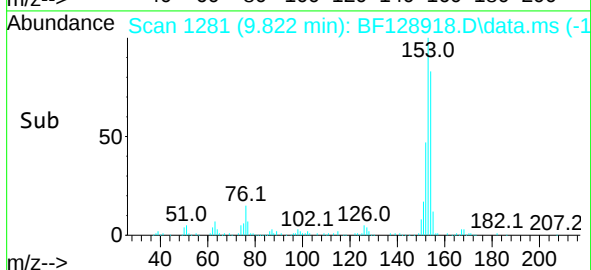
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022

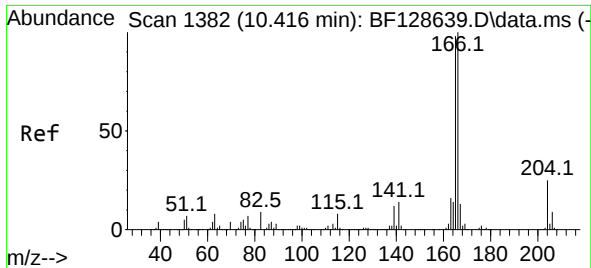


#52
Acenaphthene
Concen: 2.661 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17



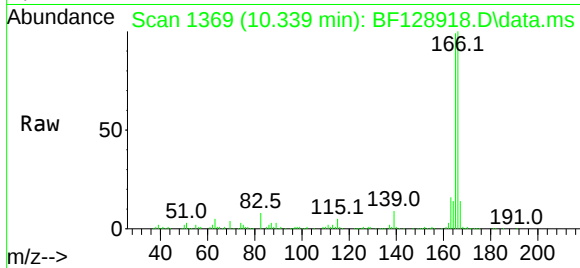
Tgt Ion:154 Resp: 28646
Ion Ratio Lower Upper
154 100
153 119.5 89.6 134.4
152 55.8 42.4 63.6





#58
Fluorene
Concen: 5.827 ng
RT: 10.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

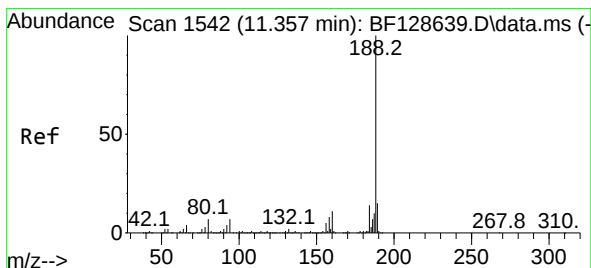
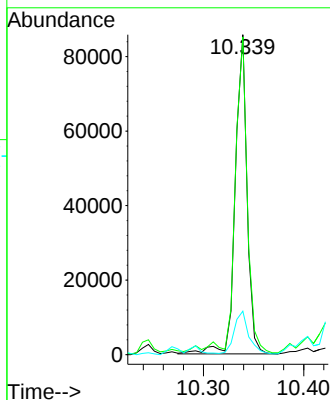
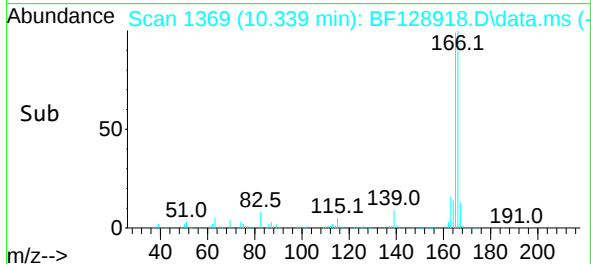
Instrument :
BNA_F
ClientSampleId :
OR-2-061722



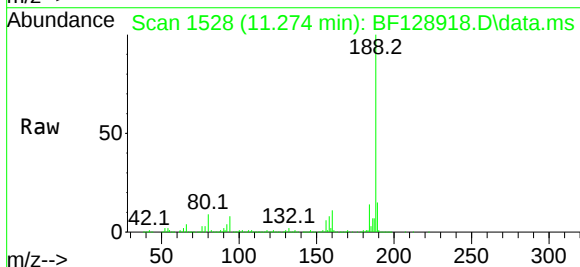
Tgt Ion:166 Resp: 69909
Ion Ratio Lower Upper
166 100
165 99.3 78.1 117.1
167 13.6 10.5 15.7

Manual Integrations
APPROVED

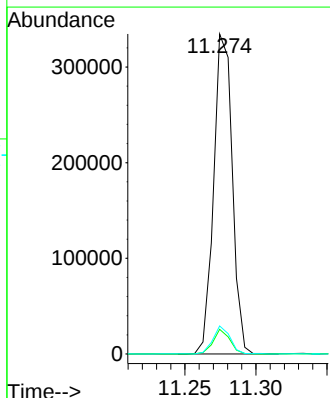
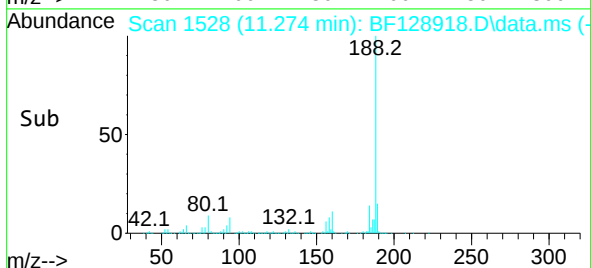
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022

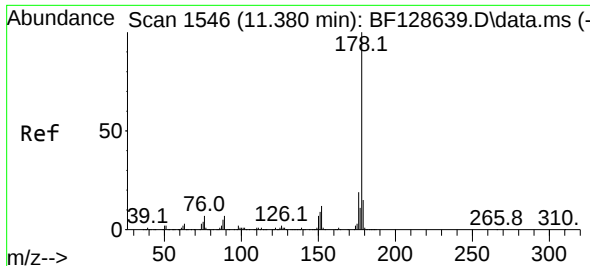


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.274 min Scan# 1528
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17



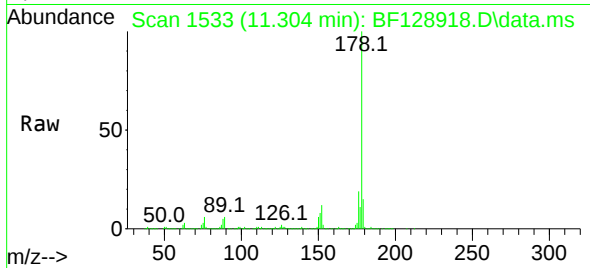
Tgt Ion:188 Resp: 304019
Ion Ratio Lower Upper
188 100
94 7.7 7.0 10.6
80 8.8 7.6 11.4





#71
Phenanthrene
Concen: 27.982 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

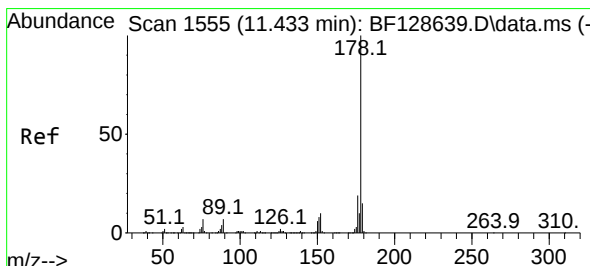
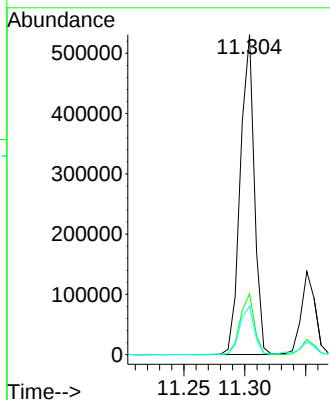
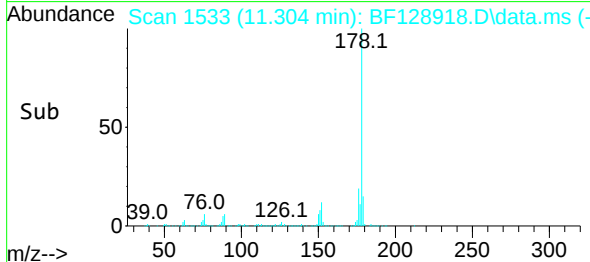
Instrument :
BNA_F
ClientSampleId :
OR-2-061722



Tgt Ion:178 Resp: 42670
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.1 12.6 19.0

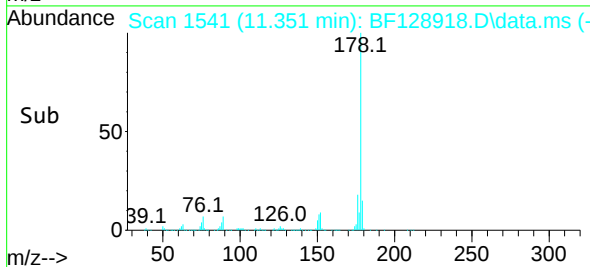
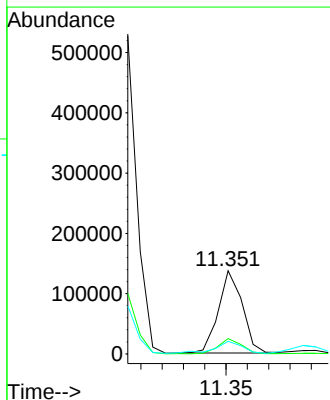
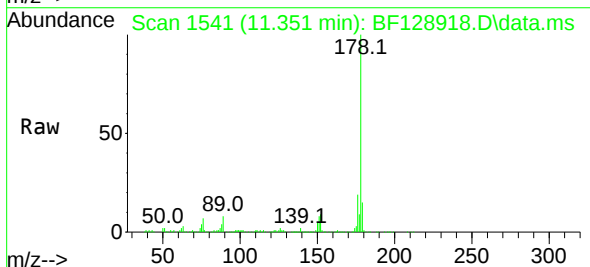
Manual Integrations
APPROVED

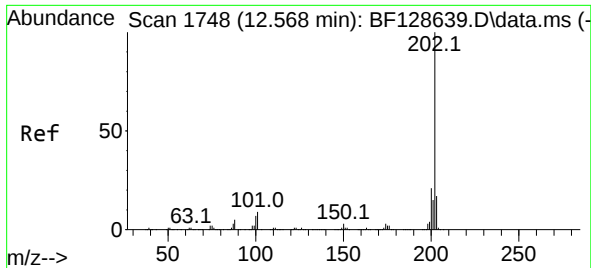
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#72
Anthracene
Concen: 7.038 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

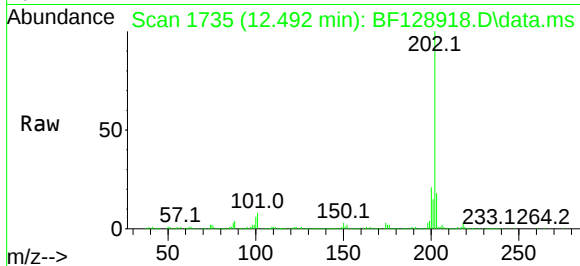
Tgt Ion:178 Resp: 106224
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.2 12.6 19.0





#75
Fluoranthene
Concen: 17.349 ng
RT: 12.492 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

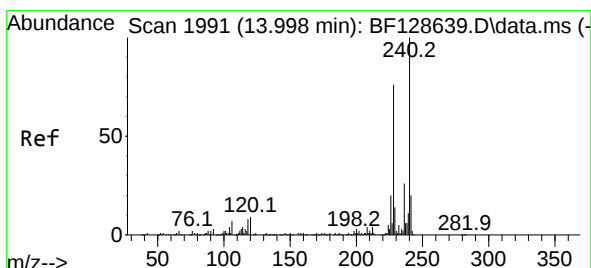
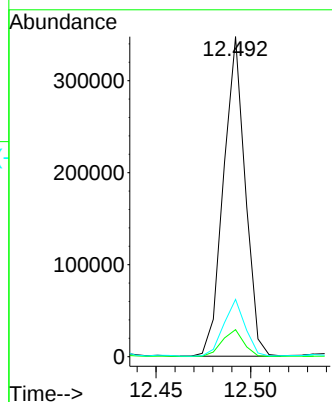
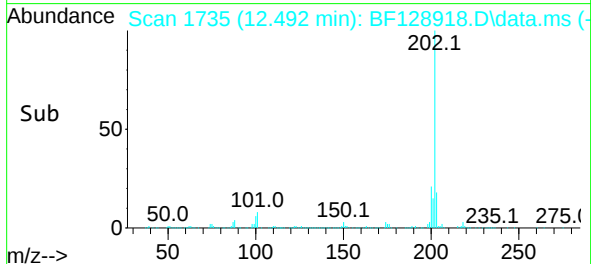
Instrument :
BNA_F
ClientSampleId :
OR-2-061722



Tgt Ion:202 Resp: 276532
Ion Ratio Lower Upper
202 100
101 8.4 0.0 31.4
203 17.9 0.0 38.0

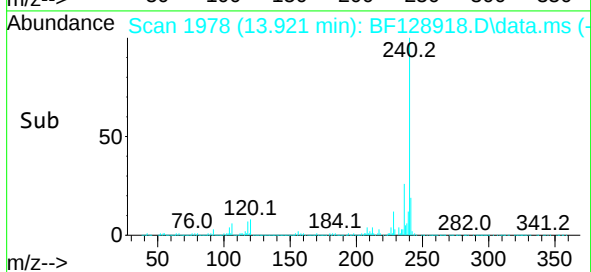
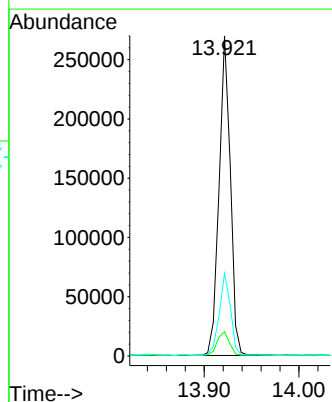
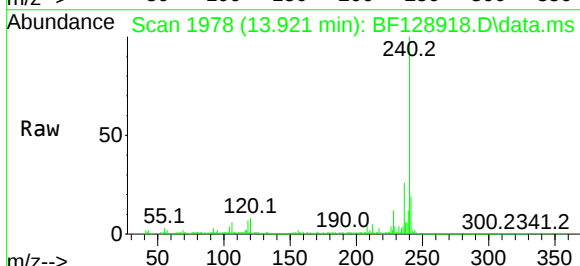
Manual Integrations
APPROVED

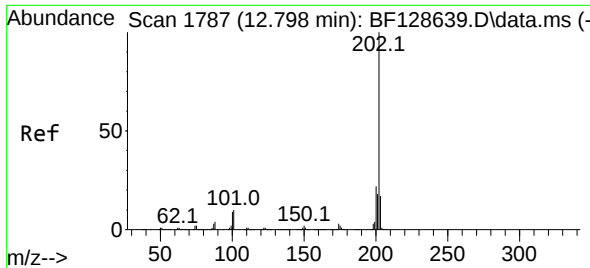
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.921 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

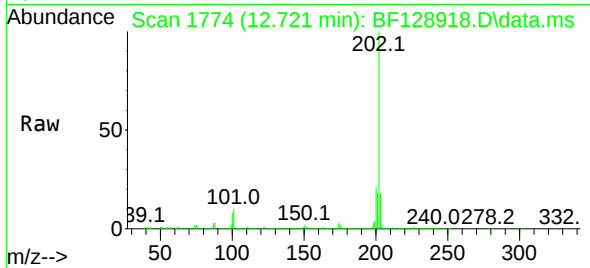
Tgt Ion:240 Resp: 223762
Ion Ratio Lower Upper
240 100
120 7.6 8.9 13.3#
236 25.8 20.8 31.2





#78
Pyrene
Concen: 21.936 ng
RT: 12.721 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

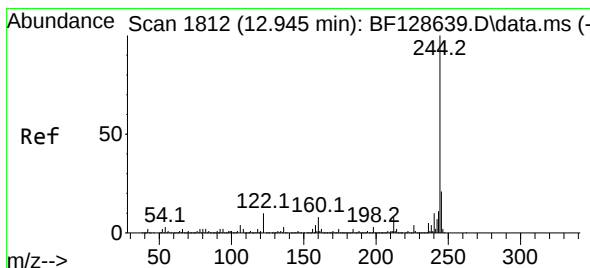
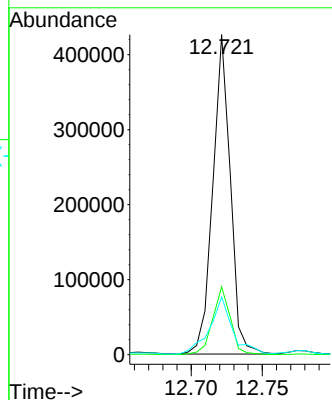
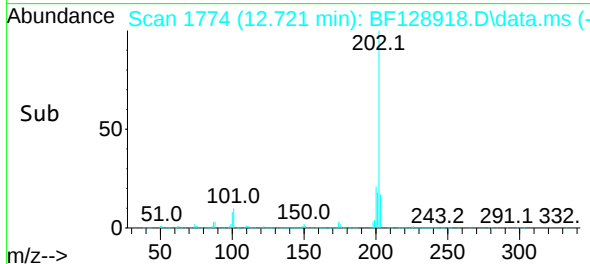
Instrument :
BNA_F
ClientSampleId :
OR-2-061722



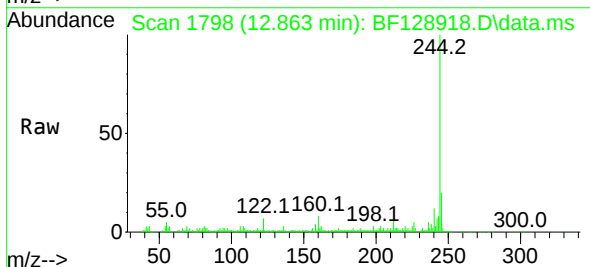
Tgt Ion:202 Resp: 36519
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 18.0 14.6 21.8

Manual Integrations
APPROVED

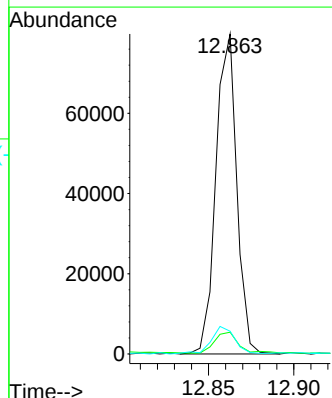
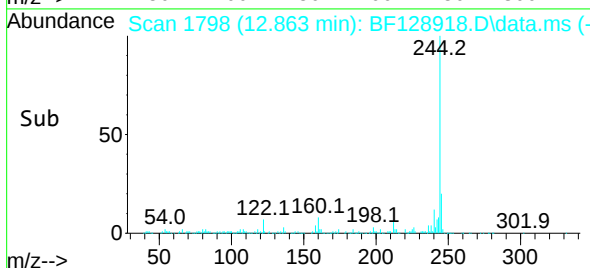
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022

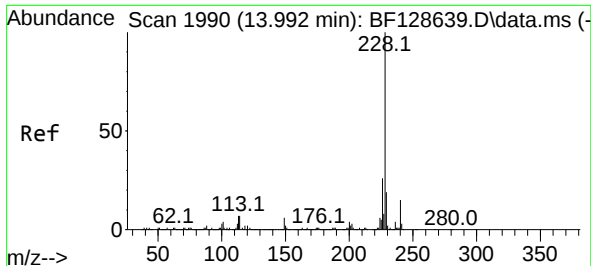


#79
Terphenyl-d14
Concen: 5.268 ng
RT: 12.863 min Scan# 1798
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17



Tgt Ion:244 Resp: 67838
Ion Ratio Lower Upper
244 100
212 6.8 6.1 9.1
122 7.1 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 8.847 ng
RT: 13.910 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

Instrument :

BNA_F

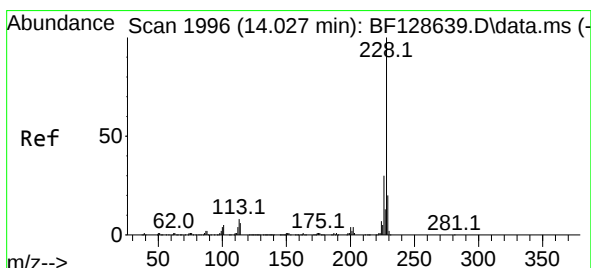
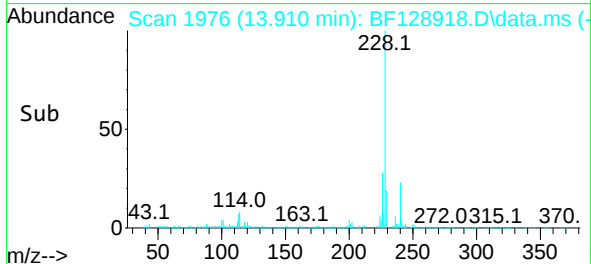
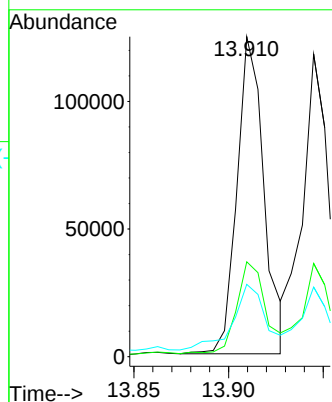
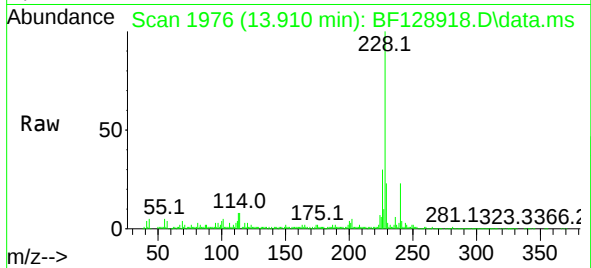
ClientSampleId :

OR-2-061722

Tgt Ion:228 Resp: 123395
Ion Ratio Lower Upper
228 100
226 29.7 22.1 33.1
229 22.6 15.8 23.8

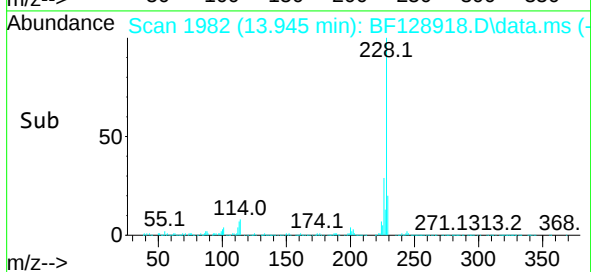
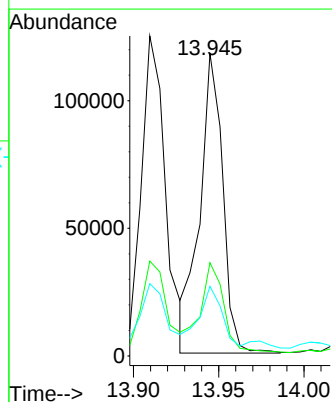
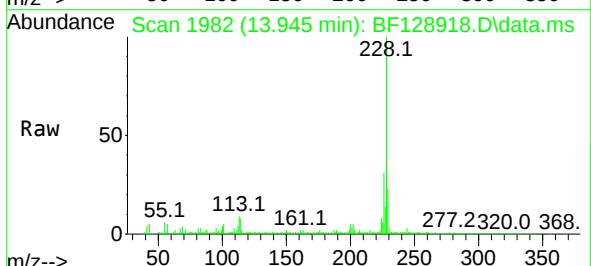
Manual Integrations
APPROVED

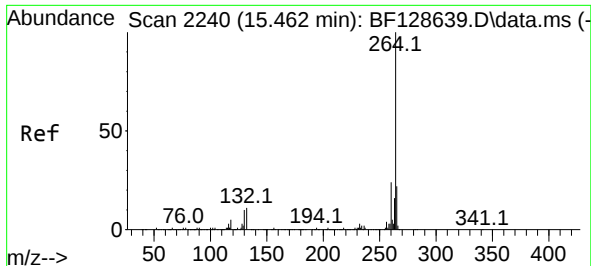
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#83
Chrysene
Concen: 8.279 ng
RT: 13.945 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

Tgt Ion:228 Resp: 110093
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 23.0 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.362 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

Instrument :

BNA_F

ClientSampleId :

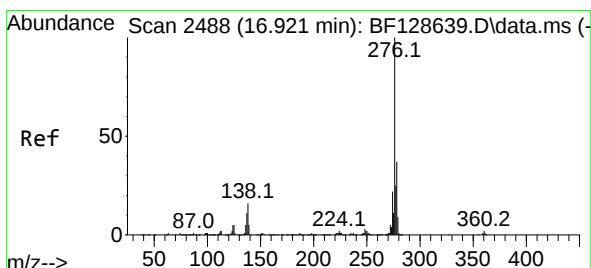
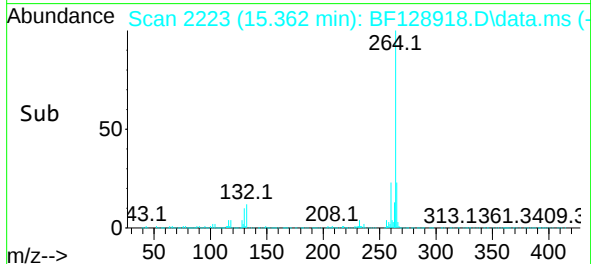
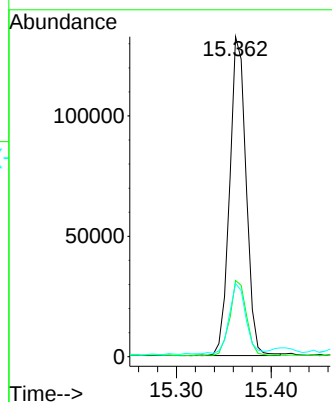
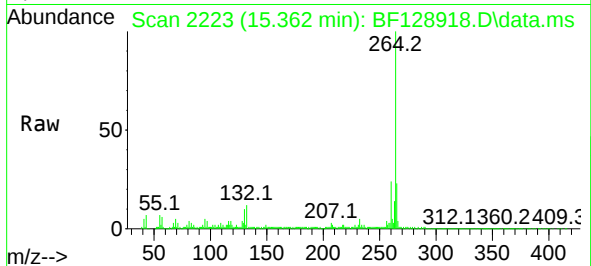
OR-2-061722

Tgt Ion:264 Resp: 159970
Ion Ratio Lower Upper
264 100
260 23.8 18.4 27.6
265 22.9 17.2 25.8

Manual Integrations

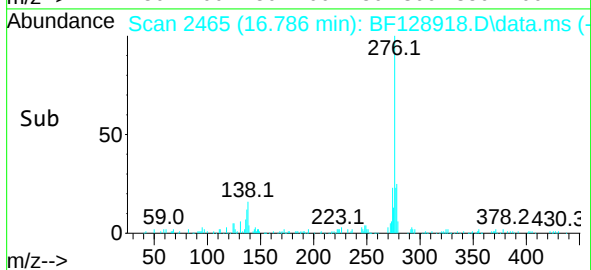
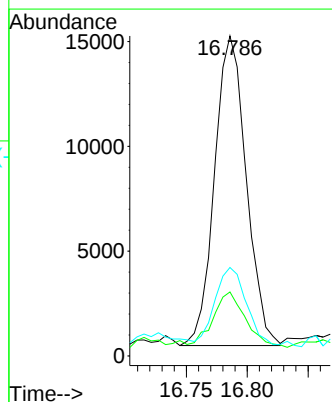
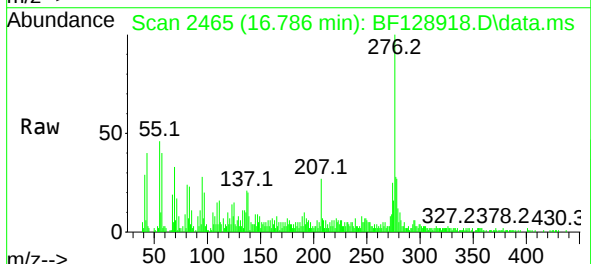
APPROVED

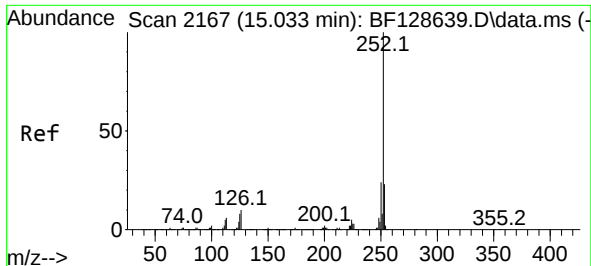
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.772 ng
RT: 16.786 min Scan# 2465
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

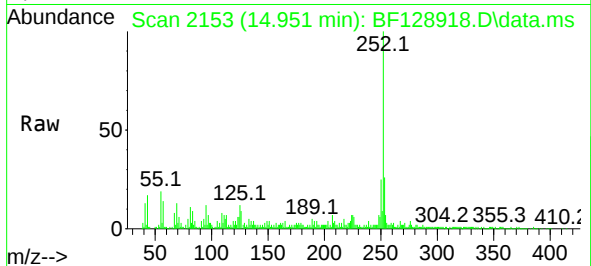
Tgt Ion:276 Resp: 26724
Ion Ratio Lower Upper
276 100
138 18.4 21.1 31.7#
277 24.1 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 7.232 ng m
RT: 14.951 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

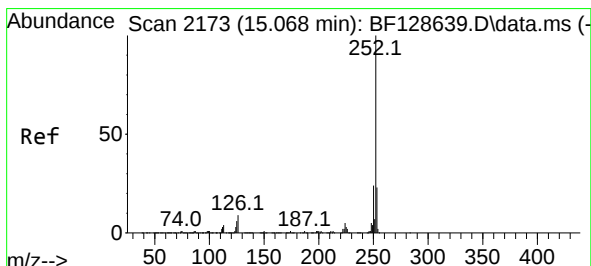
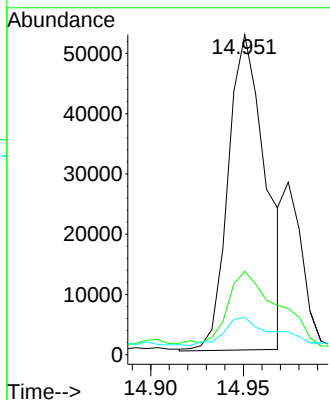
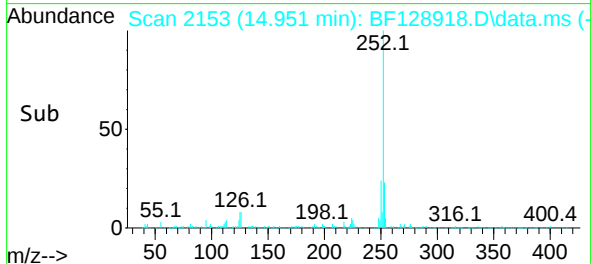
Instrument :
BNA_F
ClientSampleId :
OR-2-061722



Tgt Ion:252 Resp: 73924
Ion Ratio Lower Upper
252 100
253 26.0 17.7 26.5
125 11.7 8.0 12.0

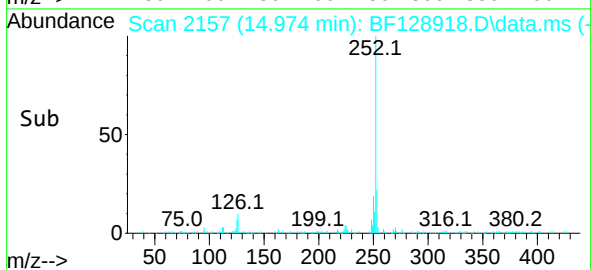
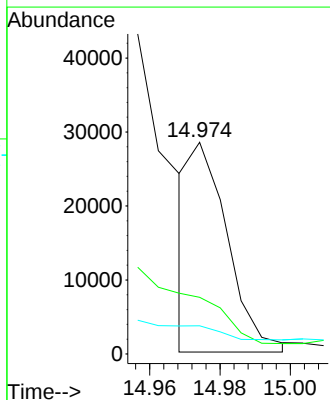
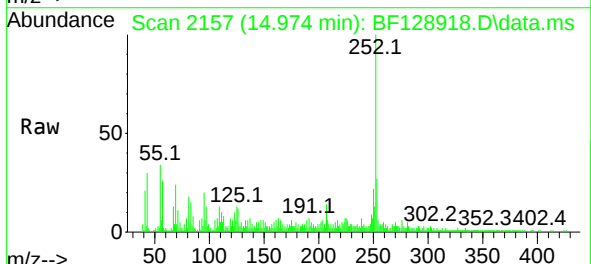
Manual Integrations
APPROVED

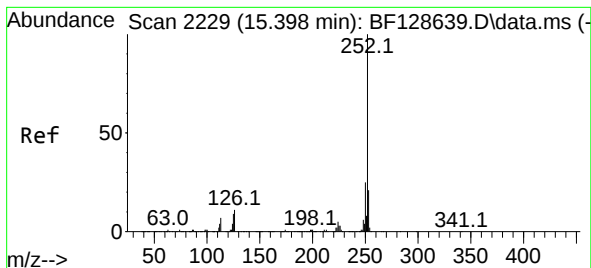
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#89
Benzo(k)fluoranthene
Concen: 2.171 ng m
RT: 14.974 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BF128918.D
Acq: 22 Jun 2022 01:17

Tgt Ion:252 Resp: 20877
Ion Ratio Lower Upper
252 100
253 26.7 17.8 26.6#
125 13.3 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 8.131 ng

RT: 15.304 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF128918.D

Acq: 22 Jun 2022 01:17

Instrument :

BNA_F

ClientSampleId :

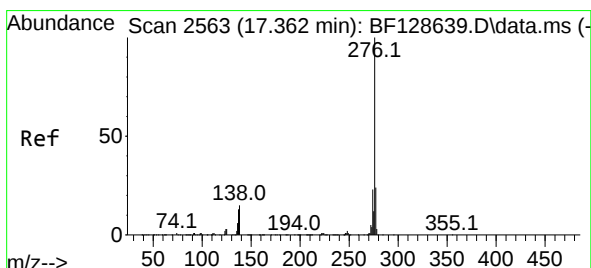
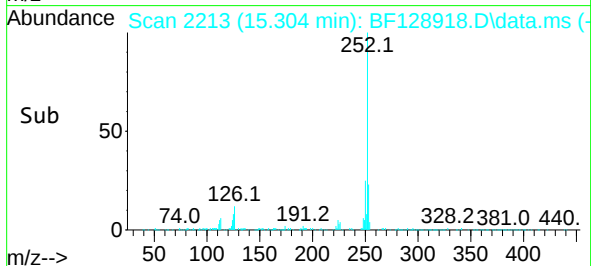
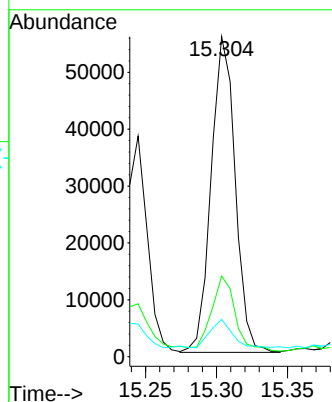
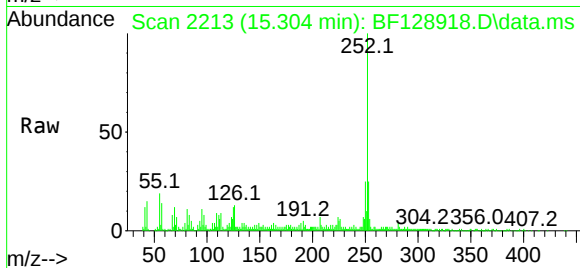
OR-2-061722

Tgt Ion:252 Resp: 65320
 Ion Ratio Lower Upper
 252 100
 253 25.2 17.0 25.6
 125 11.6 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/22/2022
 Supervised By :Jagrut Upadhyay 06/22/2022



#92

Benzo(g,h,i)perylene

Concen: 4.014 ng

RT: 17.221 min Scan# 2539

Delta R.T. 0.006 min

Lab File: BF128918.D

Acq: 22 Jun 2022 01:17

Tgt Ion:276 Resp: 31821
 Ion Ratio Lower Upper
 276 100
 277 23.3 19.1 28.7
 138 16.7 18.0 27.0#

