

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
 Data File : BF128789.D
 Acq On : 13 Jun 2022 17:43
 Operator : CG\JU
 Sample : N3295-01DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-060922DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/14/2022
 Supervised By : Jagrut Upadhyay 06/14/2022

Quant Time: Jun 14 01:56:22 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 08 14:28:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	97376	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	363436	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	193996	20.000	ng	-0.01
64) Phenanthrene-d10	11.333	188	319991	20.000	ng	0.00
76) Chrysene-d12	13.980	240	194030	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	184817	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	50909	8.327	ng	-0.01
7) Phenol-d6	6.463	99	64181	8.601	ng	-0.02
23) Nitrobenzene-d5	7.363	82	44417	5.690	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	15149	6.609	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	83389	6.021	ng	-0.01
79) Terphenyl-d14	12.916	244	66601	5.964	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.110	128	86172	4.620	ng	97
37) 2-Methylnaphthalene	8.798	142	30142	2.541	ng	97
52) Acenaphthene	9.875	154	43689	3.945	ng	98
55) Dibenzofuran	10.045	168	59735	3.754	ng	93
58) Fluorene	10.392	166	75354	6.106	ng	98
71) Phenanthrene	11.357	178	446752	27.835	ng	99
72) Anthracene	11.404	178	132955	8.369	ng	97
75) Fluoranthene	12.551	202	399860	23.834	ng	95
78) Pyrene	12.780	202	314595	21.793	ng	98
81) Benzo(a)anthracene	13.968	228	146328	12.099	ng	99
83) Chrysene	14.004	228	109844	9.526	ng	98
87) Indeno(1,2,3-cd)pyrene	16.892	276	52976	4.756	ng	# 88
88) Benzo(b)fluoranthene	15.015	252	134755m	11.411	ng	
89) Benzo(k)fluoranthene	15.039	252	39865m	3.588	ng	
90) Benzo(a)pyrene	15.380	252	97228m	10.475	ng	
92) Benzo(g,h,i)perylene	17.333	276	46750	5.105	ng	# 88

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

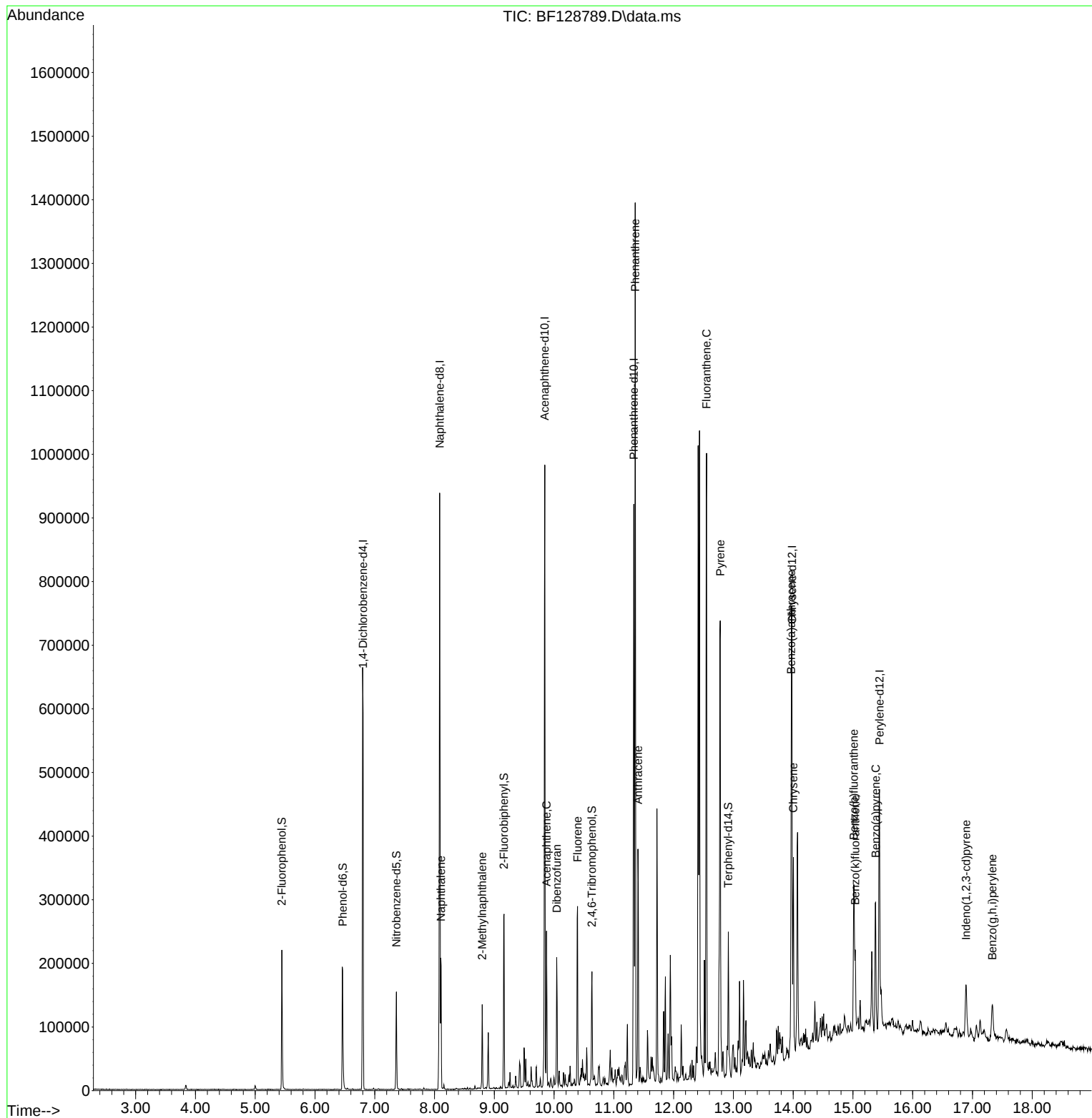
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
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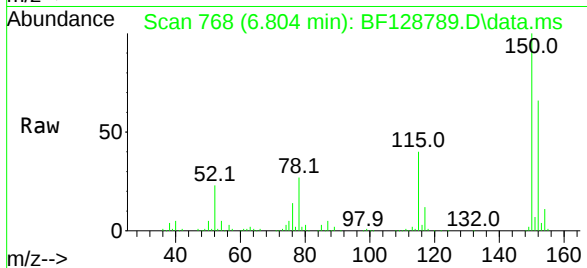
Quant Time: Jun 14 01:56:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 08 14:28:39 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

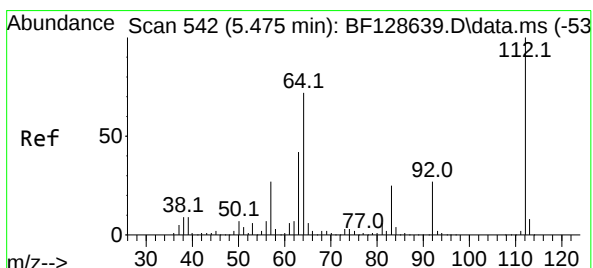
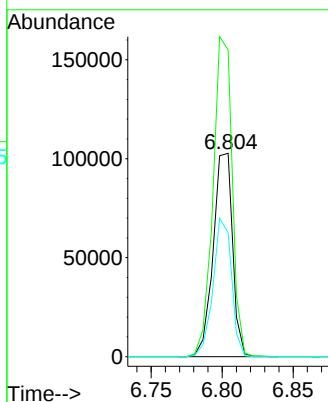
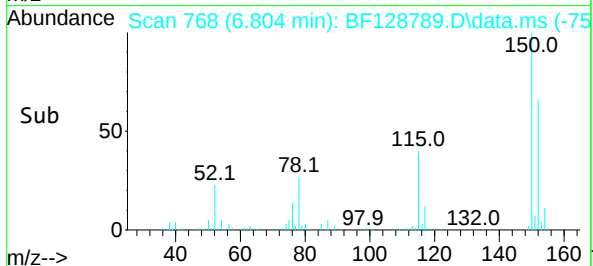
Instrument :
BNA_F
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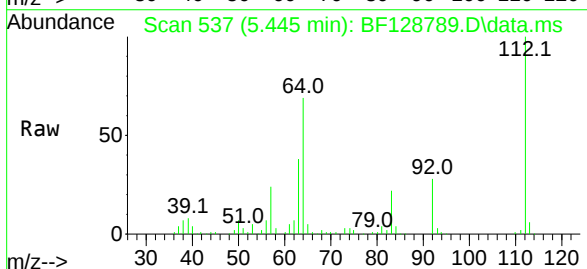
Tgt Ion:152 Resp: 97370
Ion Ratio Lower Upper
152 100
150 150.8 123.7 185.5
115 61.0 49.9 74.9

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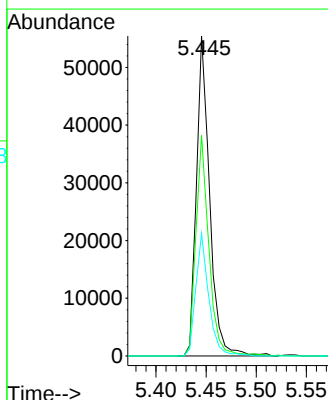
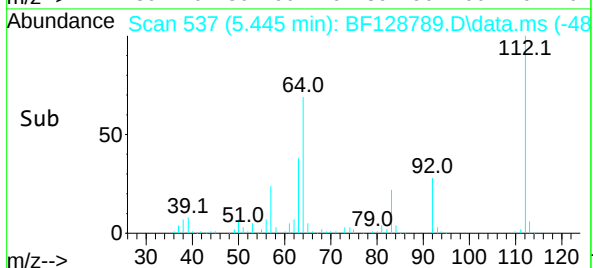
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022



#5
2-Fluorophenol
Concen: 8.327 ng
RT: 5.445 min Scan# 537
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43



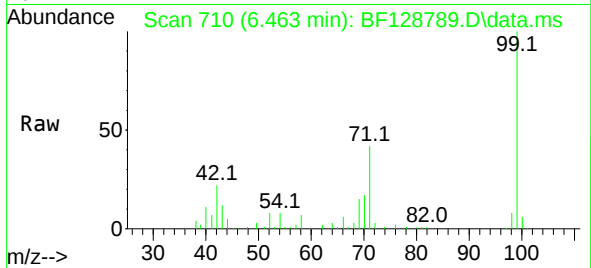
Tgt Ion:112 Resp: 50909
Ion Ratio Lower Upper
112 100
64 69.1 53.3 79.9
63 38.4 28.0 42.0





#7
Phenol-d6
Concen: 8.601 ng
RT: 6.463 min Scan# 716
Delta R.T. -0.018 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

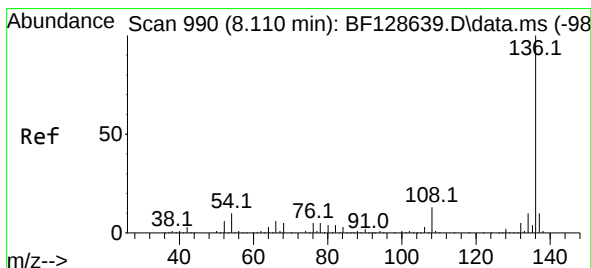
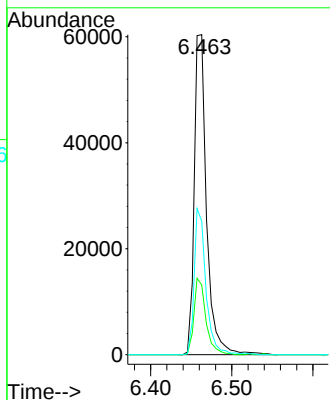
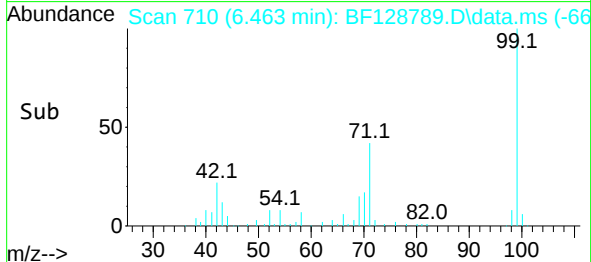
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL



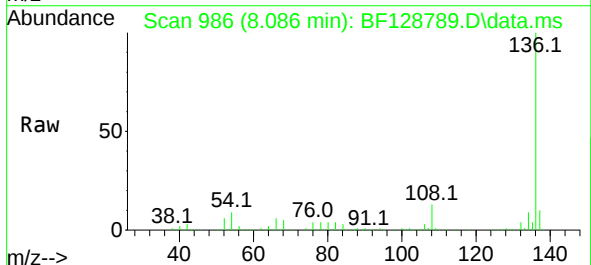
Tgt Ion: 99 Resp: 6418
Ion Ratio Lower Upper
99 100
42 21.8 17.3 25.9
71 41.7 28.9 43.3

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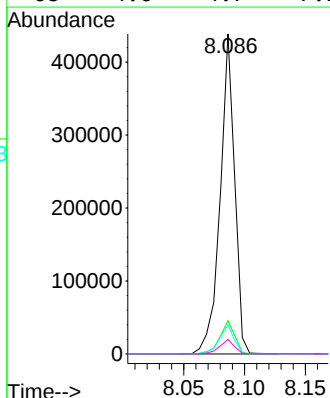
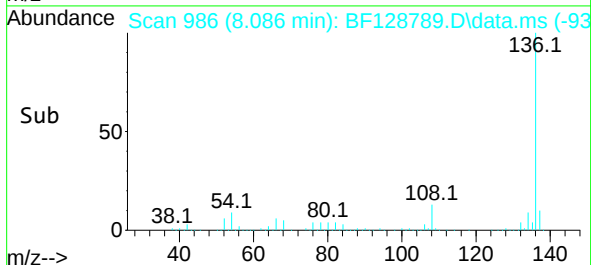
Reviewed By :Christian Giraldo 06/14/2022
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 986
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43



Tgt Ion:136 Resp: 363436
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 9.1 7.5 11.3
68 4.6 4.7 7.1#





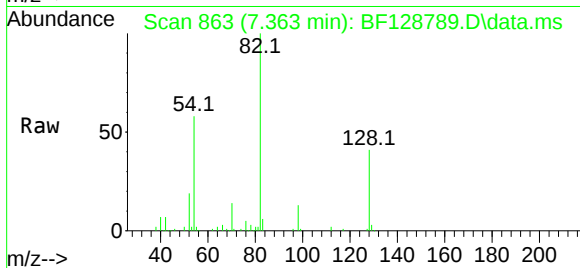
#23
Nitrobenzene-d5
Concen: 5.690 ng
RT: 7.363 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Instrument :

BNA_F

ClientSampleId :

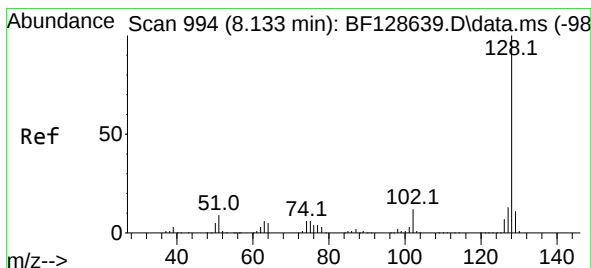
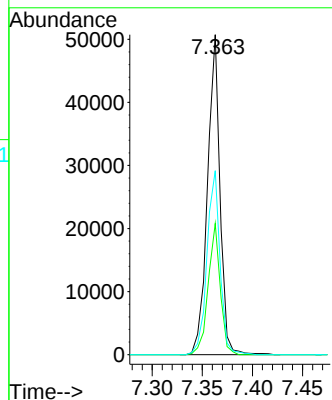
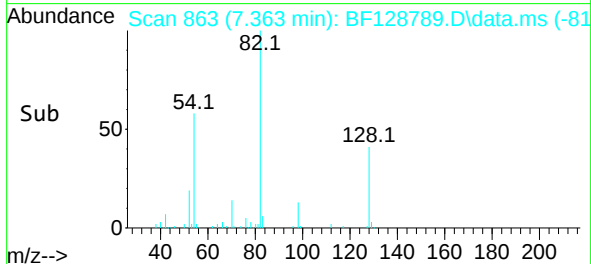
OR-03-060922DL



Tgt Ion: 82 Resp: 4441
Ion Ratio Lower Upper
82 100
128 41.0 34.0 51.0
54 57.5 46.9 70.3

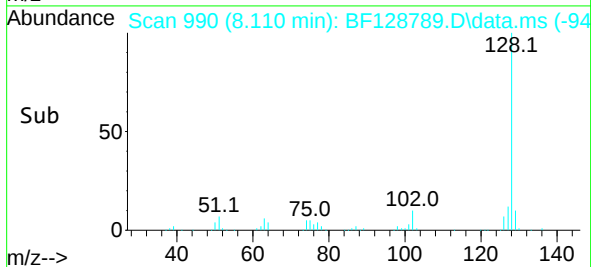
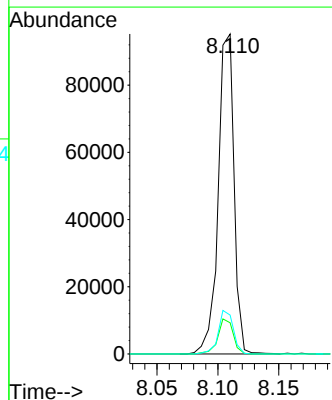
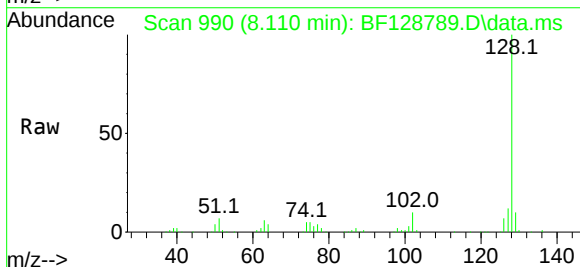
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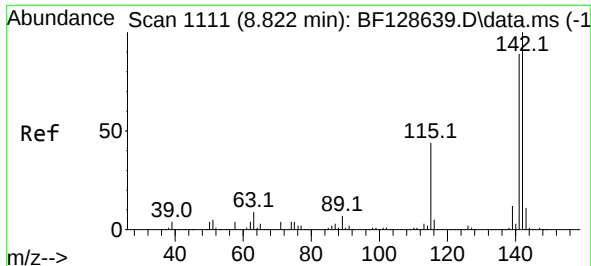
Reviewed By :Christian Giraldo 06/14/2022
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#31
Naphthalene
Concen: 4.620 ng
RT: 8.110 min Scan# 990
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:128 Resp: 86172
Ion Ratio Lower Upper
128 100
129 9.8 9.2 13.8
127 12.2 10.5 15.7





#37

2-Methylnaphthalene

Concen: 2.541 ng

RT: 8.798 min Scan# 1111

Delta R.T. -0.012 min

Lab File: BF128789.D

Acq: 13 Jun 2022 17:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922DL

Tgt Ion:142 Resp: 3014

Ion Ratio Lower Upper

142 100

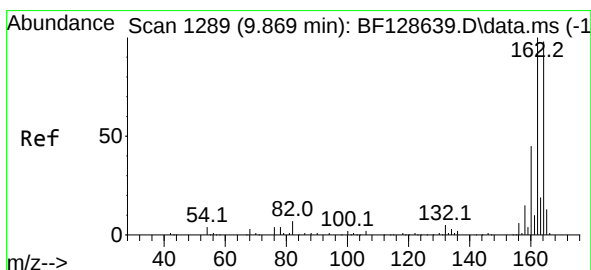
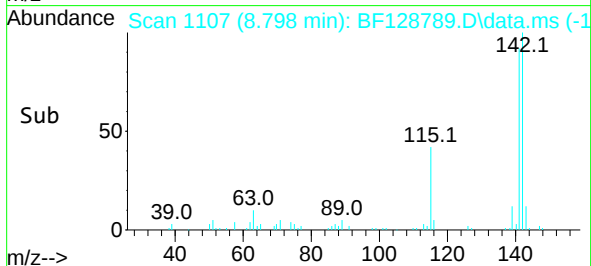
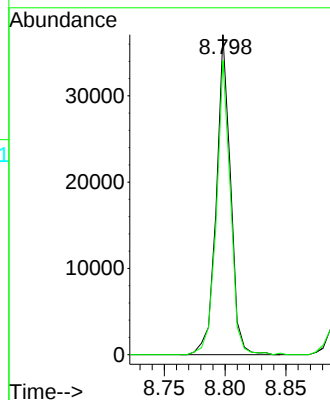
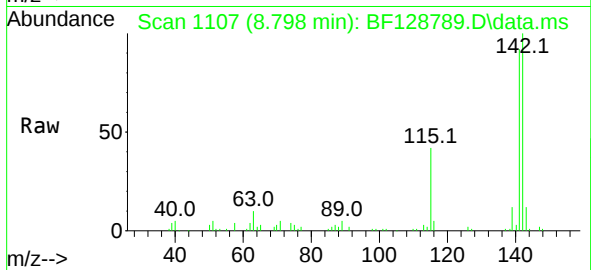
141 91.9 71.0 106.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1285

Delta R.T. -0.012 min

Lab File: BF128789.D

Acq: 13 Jun 2022 17:43

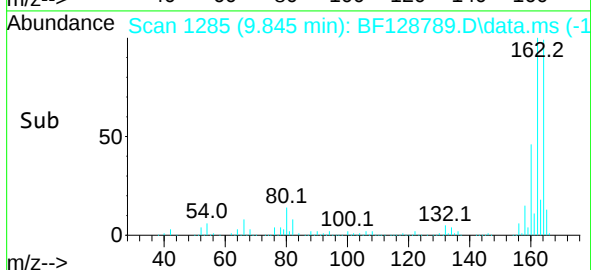
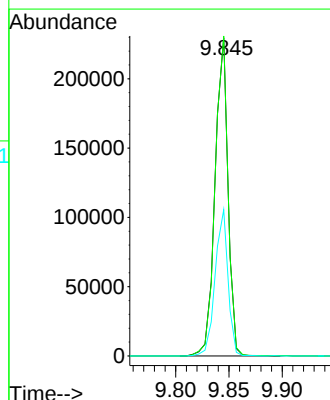
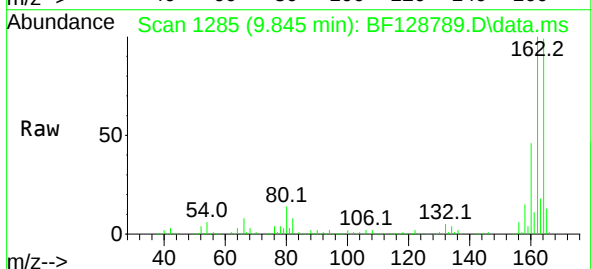
Tgt Ion:164 Resp: 193996

Ion Ratio Lower Upper

164 100

162 100.6 79.5 119.3

160 45.9 34.2 51.4





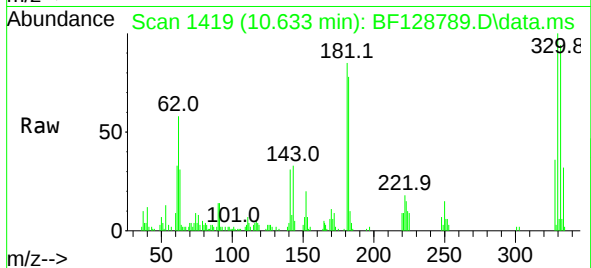
#42
2,4,6-Tribromophenol
Concen: 6.609 ng
RT: 10.633 min Scan# 1424
Delta R.T. -0.018 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922DL

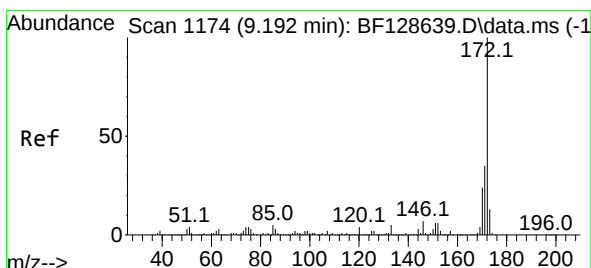
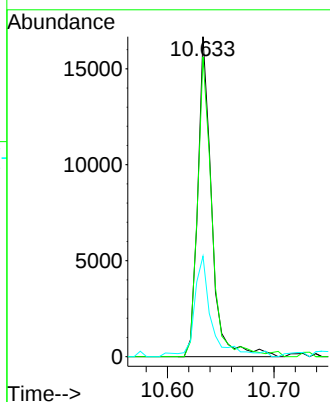
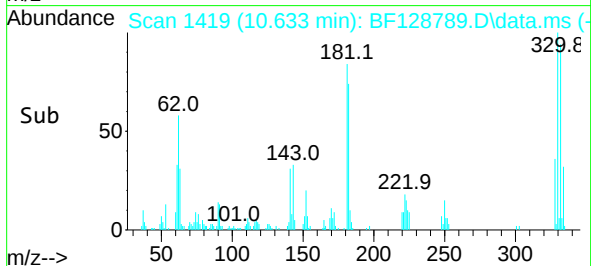


Tgt Ion: 330 Resp: 15149
Ion Ratio Lower Upper
330 100
332 96.2 76.8 115.2
141 38.9 28.0 42.0

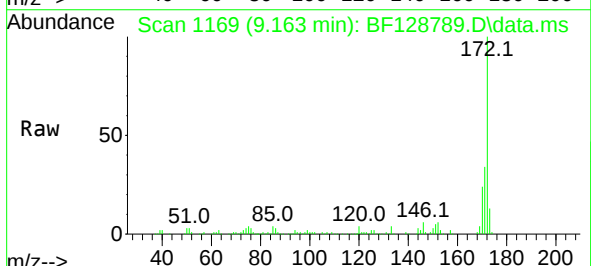
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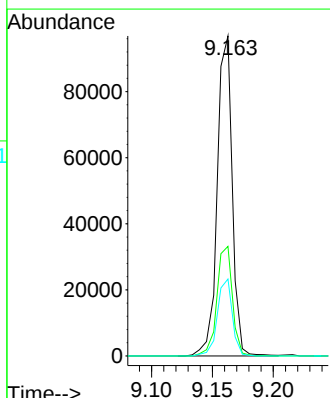
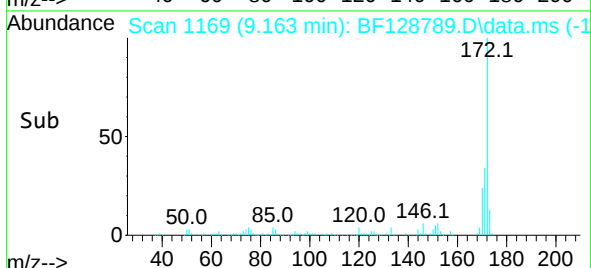
Reviewed By : Christian Giraldo 06/14/2022
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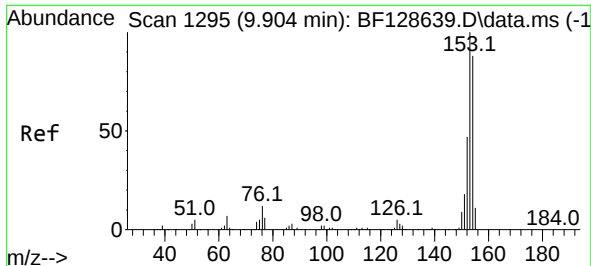


#45
2-Fluorobiphenyl
Concen: 6.021 ng
RT: 9.163 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43



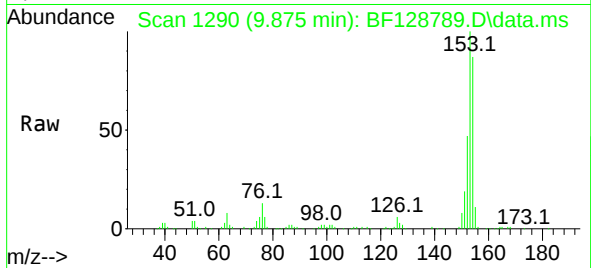
Tgt Ion: 172 Resp: 83389
Ion Ratio Lower Upper
172 100
171 34.3 28.8 43.2
170 24.1 19.8 29.8





#52
Acenaphthene
Concen: 3.945 ng
RT: 9.875 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

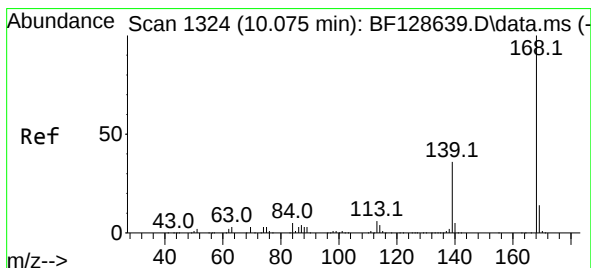
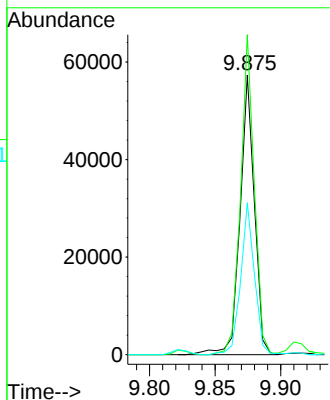
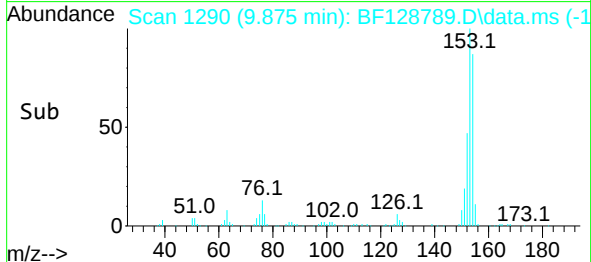
Instrument :
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ClientSampleId :
OR-03-060922DL



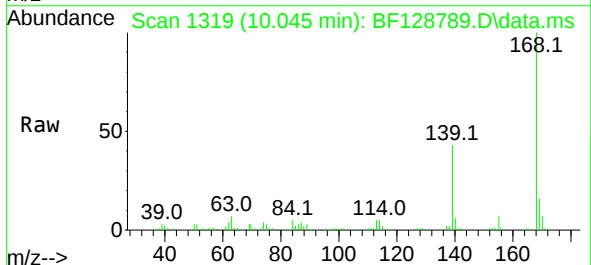
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Ion Ratio Lower Upper
154 100
153 114.4 89.6 134.4
152 54.4 42.4 63.6

Manual Integrations
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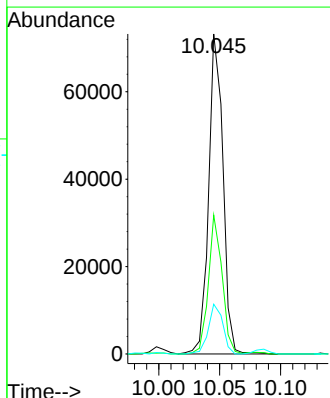
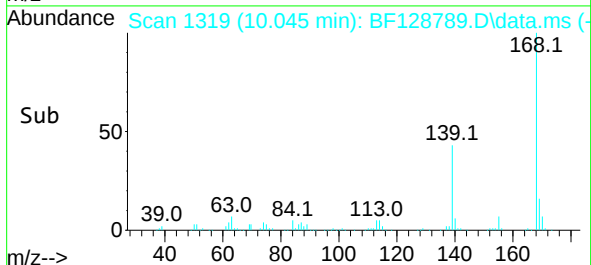
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022

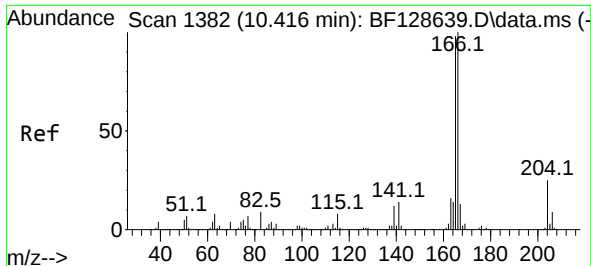


#55
Dibenzofuran
Concen: 3.754 ng
RT: 10.045 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43



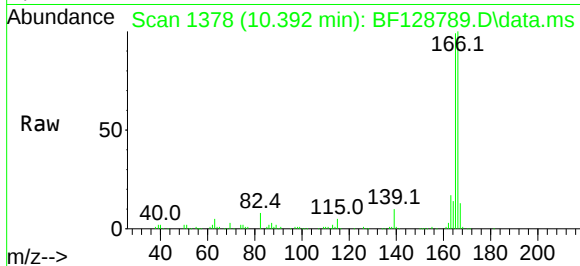
Tgt Ion:168 Resp: 59735
Ion Ratio Lower Upper
168 100
139 43.4 30.6 46.0
169 15.6 11.0 16.6





#58
Fluorene
Concen: 6.106 ng
RT: 10.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

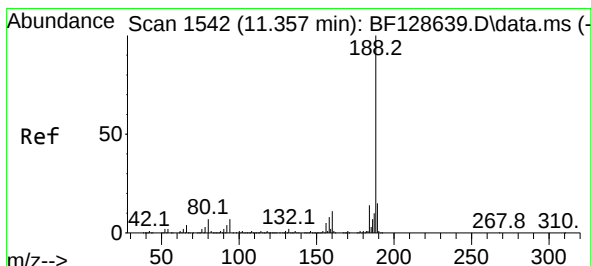
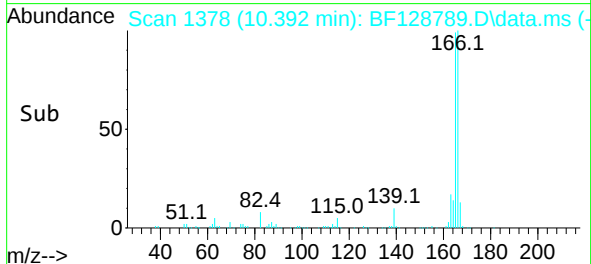
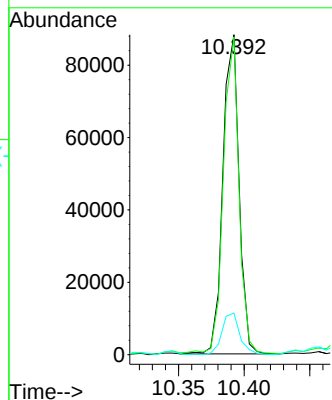
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL



Tgt Ion:166 Resp: 75354
Ion Ratio Lower Upper
166 100
165 99.3 78.1 117.1
167 13.0 10.5 15.7

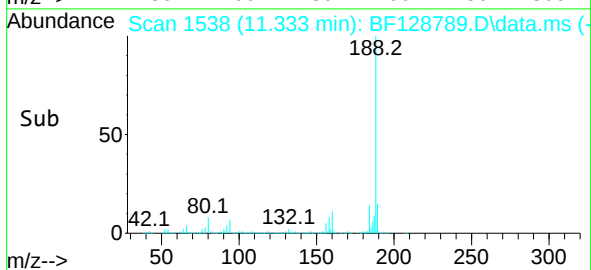
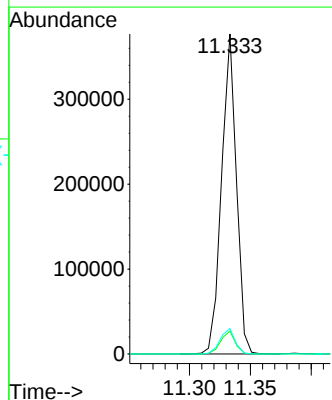
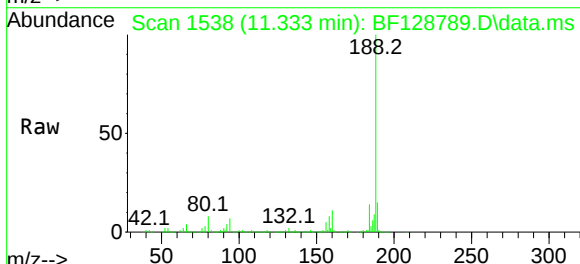
Manual Integrations
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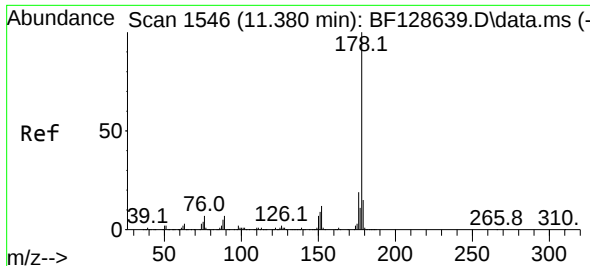
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

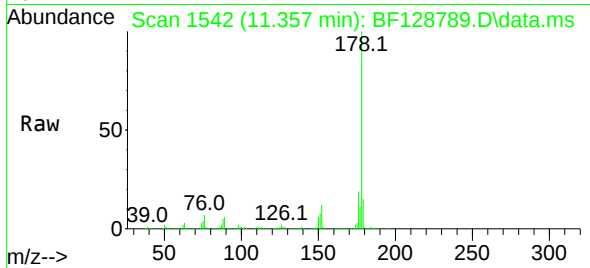
Tgt Ion:188 Resp: 319991
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.6
80 7.9 7.6 11.4





#71
Phenanthrene
Concen: 27.835 ng
RT: 11.357 min Scan# 11357
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

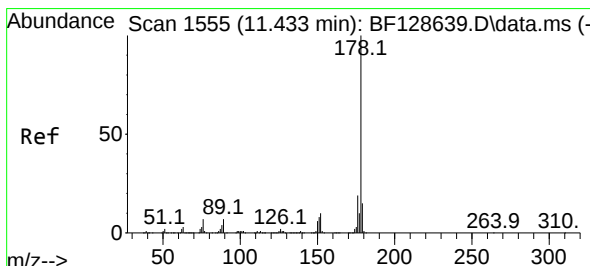
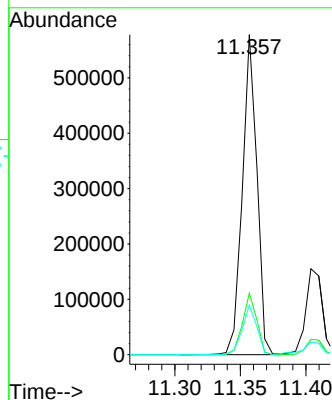
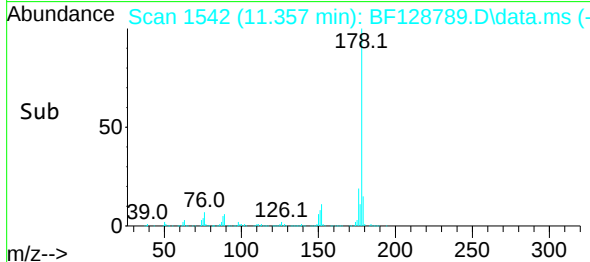
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL



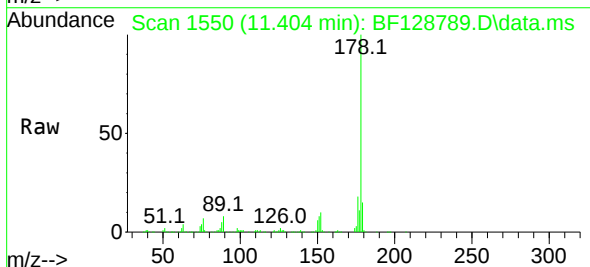
Tgt Ion:178 Resp: 446752
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.5 12.6 19.0

Manual Integrations
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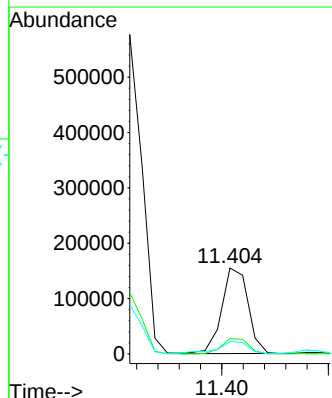
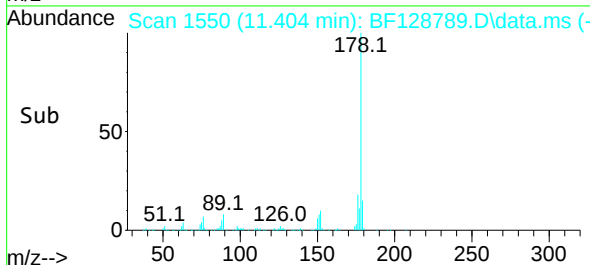
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022

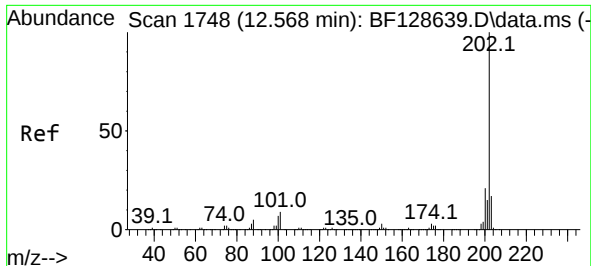


#72
Anthracene
Concen: 8.369 ng
RT: 11.404 min Scan# 1550
Delta R.T. -0.018 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43



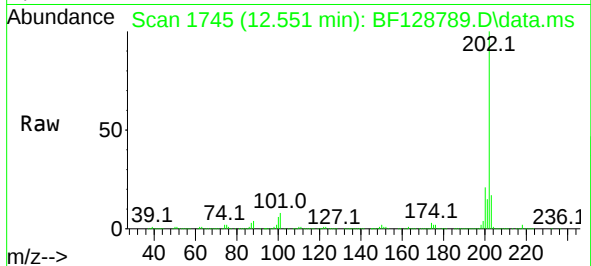
Tgt Ion:178 Resp: 132955
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 14.7 12.6 19.0





#75
Fluoranthene
Concen: 23.834 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

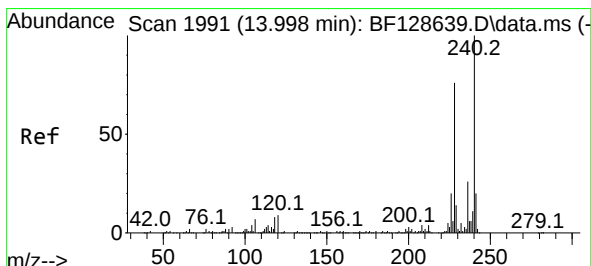
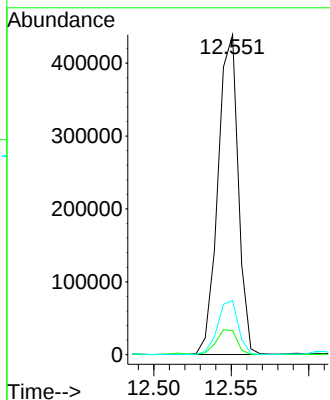
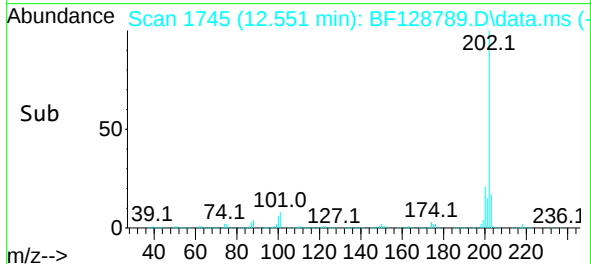
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL



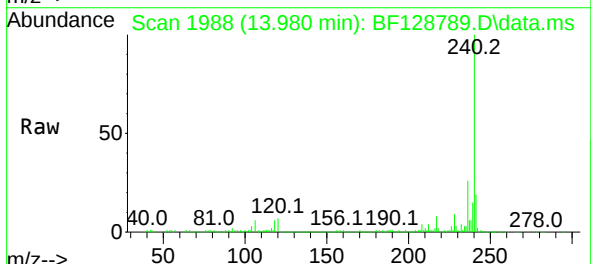
Tgt Ion:202 Resp: 399860
Ion Ratio Lower Upper
202 100
101 7.5 0.0 31.4
203 16.9 0.0 38.0

Manual Integrations
APPROVED

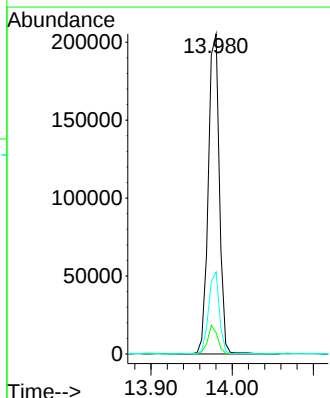
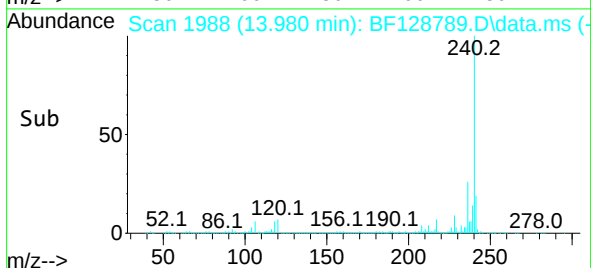
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022

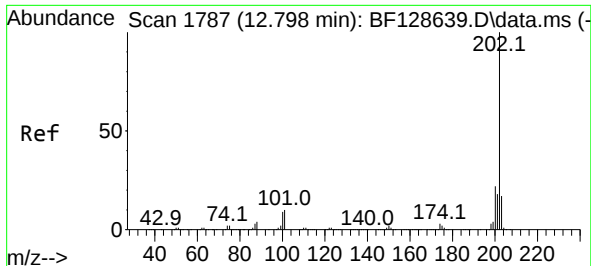


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 1988
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43



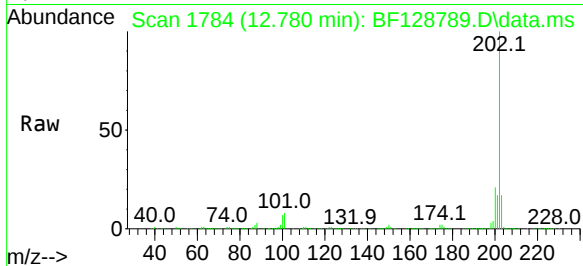
Tgt Ion:240 Resp: 194030
Ion Ratio Lower Upper
240 100
120 6.7 8.9 13.3#
236 25.7 20.8 31.2





#78
Pyrene
Concen: 21.793 ng
RT: 12.780 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

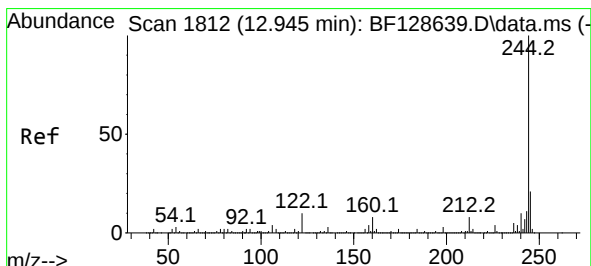
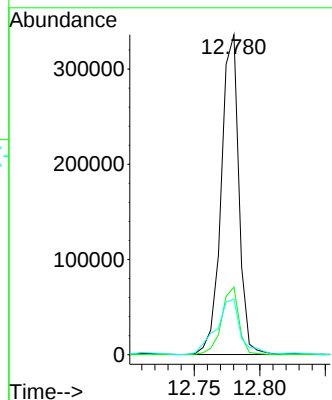
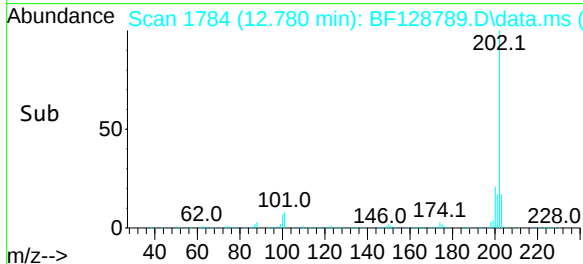
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL



Tgt Ion:202 Resp: 31459
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.3 14.6 21.8

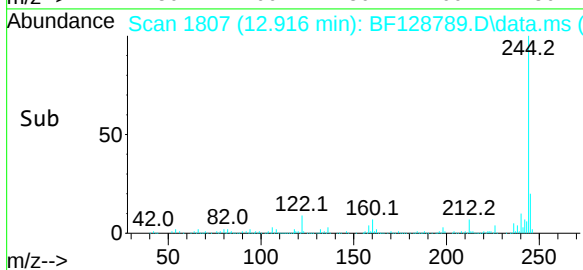
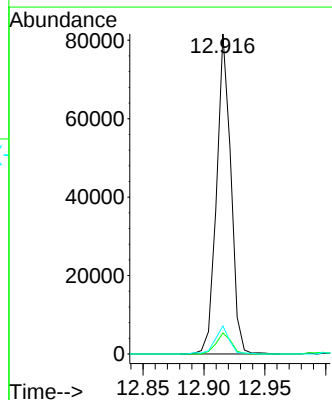
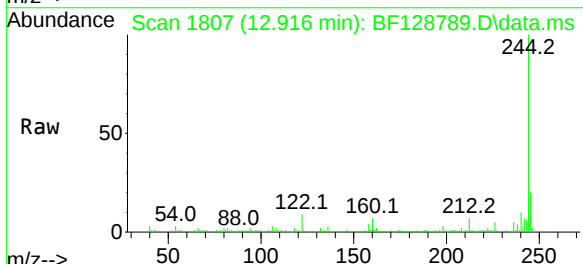
Manual Integrations
APPROVED

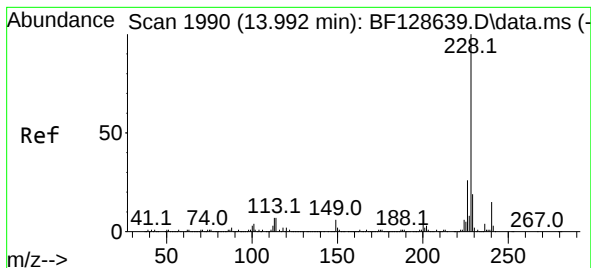
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022



#79
Terphenyl-d14
Concen: 5.964 ng
RT: 12.916 min Scan# 1807
Delta R.T. -0.018 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:244 Resp: 66601
Ion Ratio Lower Upper
244 100
212 6.5 6.1 9.1
122 8.8 8.8 13.2#





#81

Benzo(a)anthracene

Concen: 12.099 ng

RT: 13.968 min Scan# 1986

Delta R.T. -0.006 min

Lab File: BF128789.D

Acq: 13 Jun 2022 17:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922DL

Tgt Ion:228 Resp: 146328

Ion Ratio Lower Upper

228 100

226 27.1 22.1 33.1

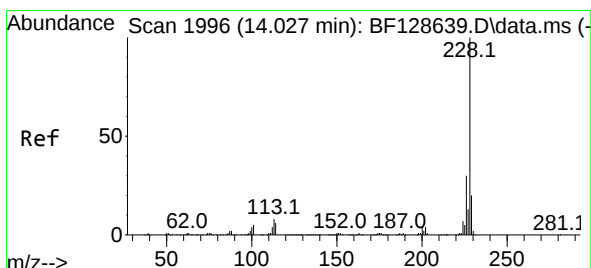
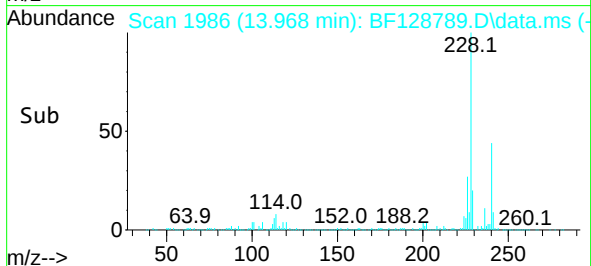
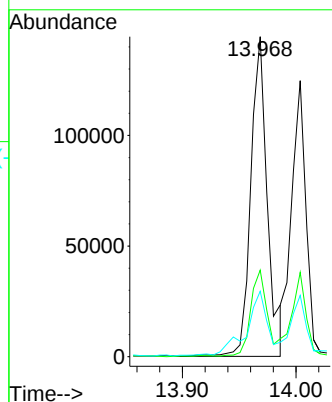
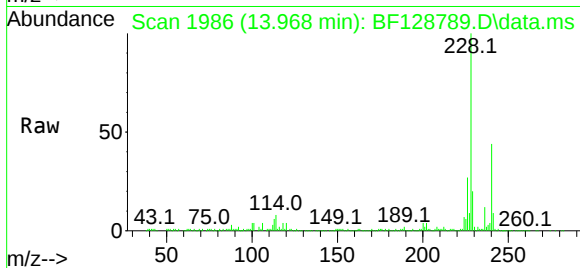
229 20.5 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/14/2022

Supervised By :Jagrut Upadhyay 06/14/2022



#83

Chrysene

Concen: 9.526 ng

RT: 14.004 min Scan# 1992

Delta R.T. -0.012 min

Lab File: BF128789.D

Acq: 13 Jun 2022 17:43

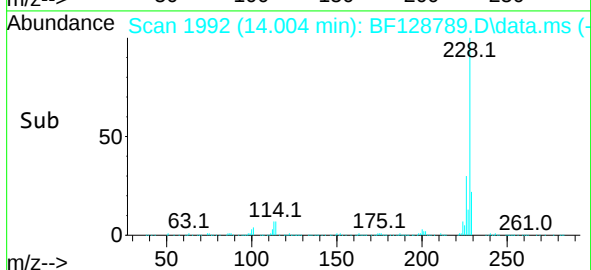
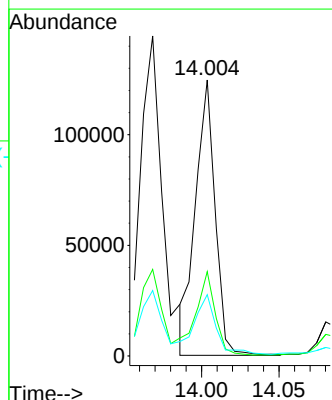
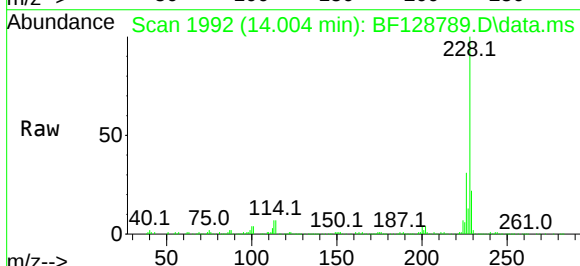
Tgt Ion:228 Resp: 109844

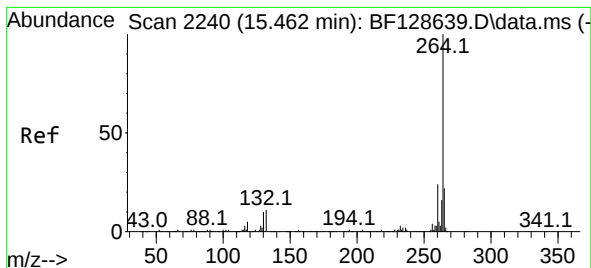
Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

229 22.2 15.9 23.9





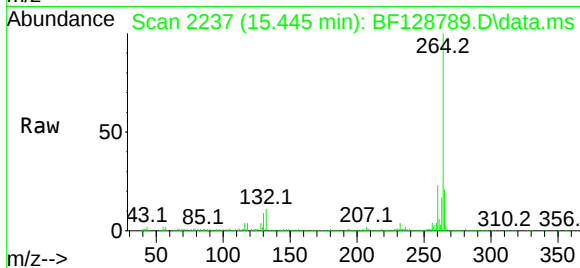
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922DL

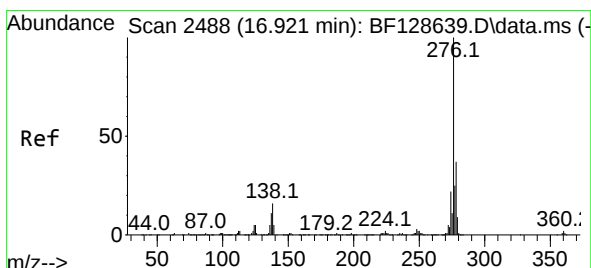
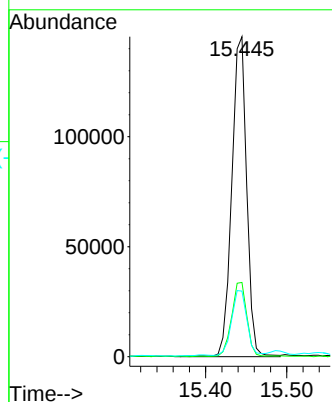
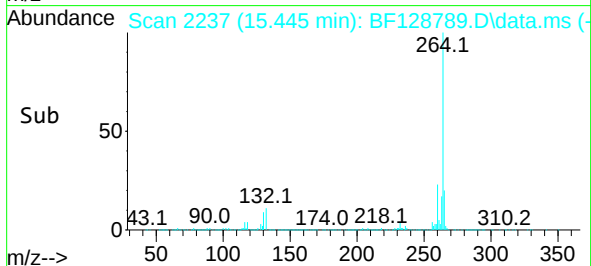


Tgt Ion:264 Resp: 18481
Ion Ratio Lower Upper
264 100
260 23.2 18.4 27.6
265 20.5 17.2 25.8

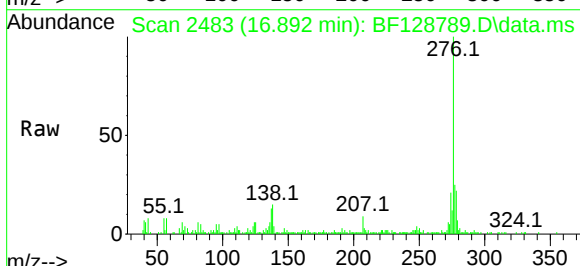
Manual Integrations

APPROVED

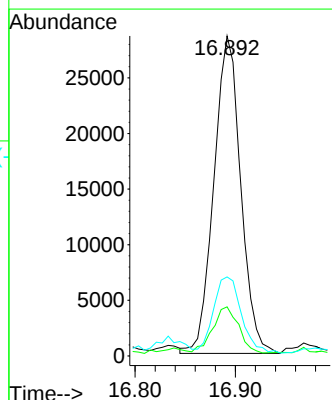
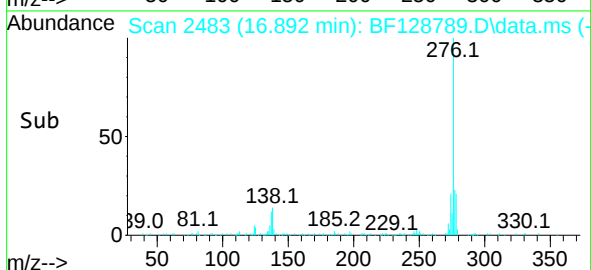
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022

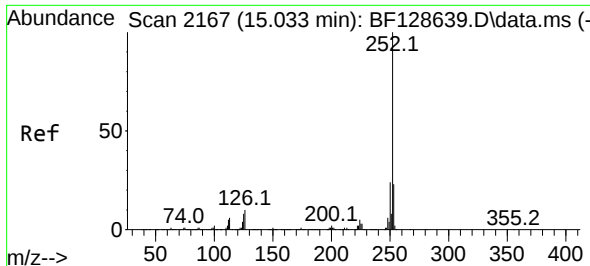


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.756 ng
RT: 16.892 min Scan# 2483
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43



Tgt Ion:276 Resp: 52976
Ion Ratio Lower Upper
276 100
138 14.6 21.1 31.7#
277 24.7 20.3 30.5





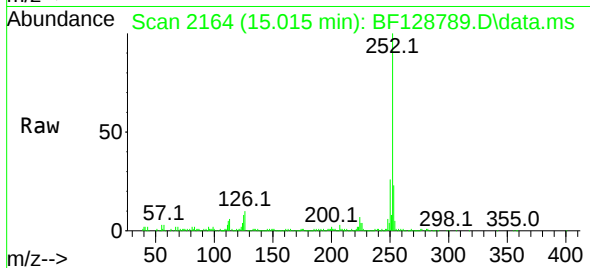
#88
Benzo(b)fluoranthene
Concen: 11.411 ng m
RT: 15.015 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922DL

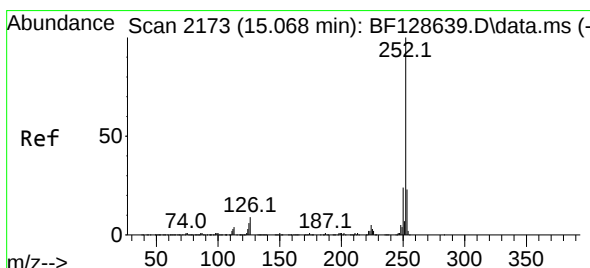
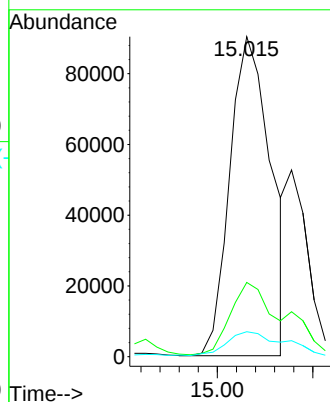
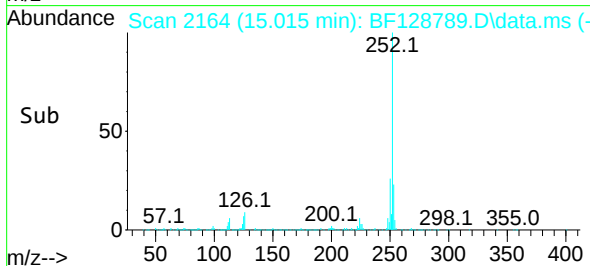


Tgt Ion:252 Resp: 13475
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 7.8 8.0 12.0

Manual Integrations

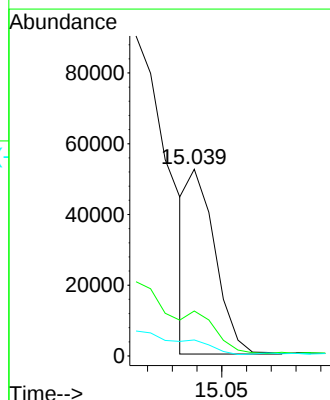
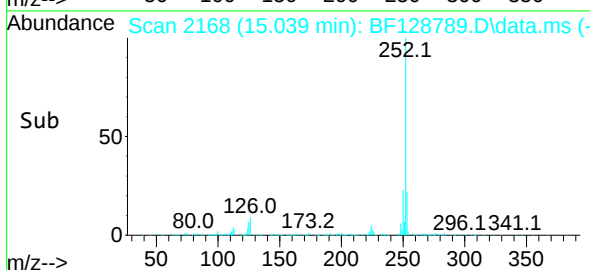
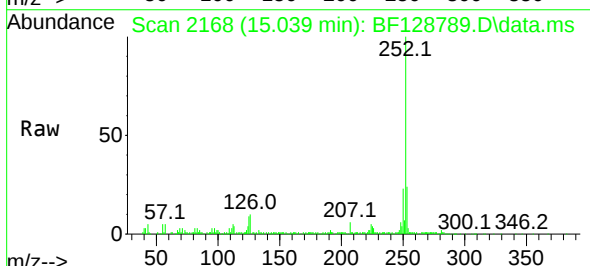
APPROVED

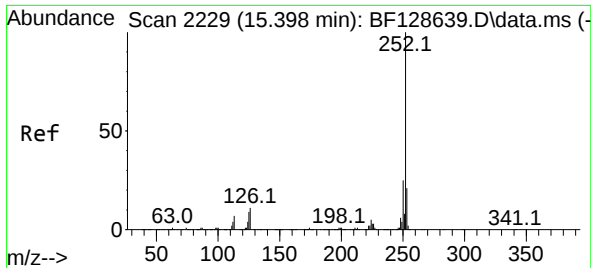
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022



#89
Benzo(k)fluoranthene
Concen: 3.588 ng m
RT: 15.039 min Scan# 2168
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:252 Resp: 39865
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 8.6 8.3 12.5





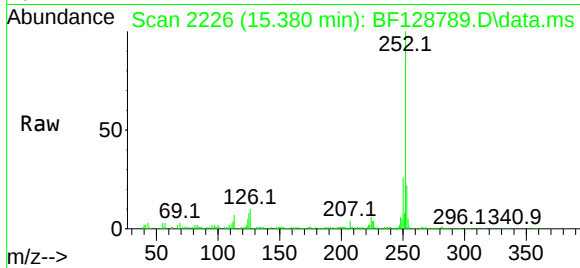
#90
Benzo(a)pyrene
Concen: 10.475 ng m
RT: 15.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922DL

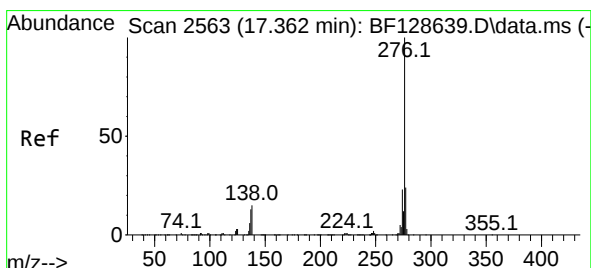
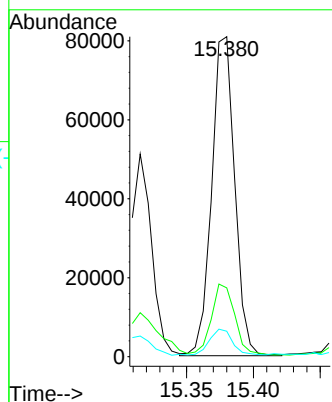
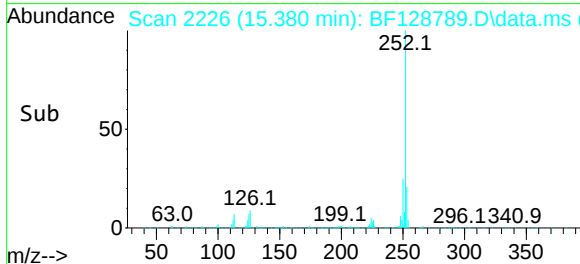


Tgt Ion:252 Resp: 97228
Ion Ratio Lower Upper
252 100
253 21.5 17.0 25.6
125 8.0 8.8 13.2

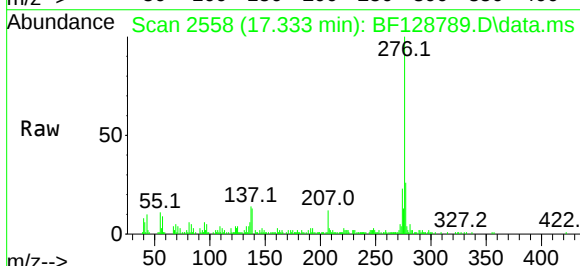
Manual Integrations

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Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022



#92
Benzo(g,h,i)perylene
Concen: 5.105 ng
RT: 17.333 min Scan# 2558
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43



Tgt Ion:276 Resp: 46750
Ion Ratio Lower Upper
276 100
277 26.4 19.1 28.7
138 13.1 18.0 27.0#

