

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
 Data File : BF128733.D
 Acq On : 08 Jun 2022 14:01
 Operator : CG\JU
 Sample : N3206-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-060322RE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/09/2022
 Supervised By : Jagrut Upadhyay 06/09/2022

Quant Time: Jun 08 14:31:11 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	6.810	152	79175	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	239318	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	111039	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	181426	20.000	ng	# 0.00
76) Chrysene-d12	13.986	240	148028	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	105175	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	400180	80.508	ng	0.00
7) Phenol-d6	6.475	99	482425	79.508	ng	0.00
23) Nitrobenzene-d5	7.375	82	293297	57.060	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	88599	67.531	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	443876	55.997	ng	0.00
79) Terphenyl-d14	12.927	244	381704	44.807	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.363	178	120491	13.241	ng	97
72) Anthracene	11.410	178	41324	4.588	ng	99
75) Fluoranthene	12.551	202	228015	23.971	ng	96
78) Pyrene	12.780	202	242633	22.031	ng	100
81) Benzo(a)anthracene	13.974	228	116860	12.665	ng	94
83) Chrysene	14.010	228	113145m	12.862	ng	
87) Indeno(1,2,3-cd)pyrene	16.904	276	40742	6.427	ng	# 87
88) Benzo(b)fluoranthene	15.021	252	108961m	16.213	ng	
89) Benzo(k)fluoranthene	15.051	252	37813m	5.981	ng	
90) Benzo(a)pyrene	15.386	252	81775	15.481	ng	96
91) Dibenzo(a,h)anthracene	16.909	278	10654	2.026	ng	# 70
92) Benzo(g,h,i)perylene	17.339	276	42574	8.169	ng	95

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

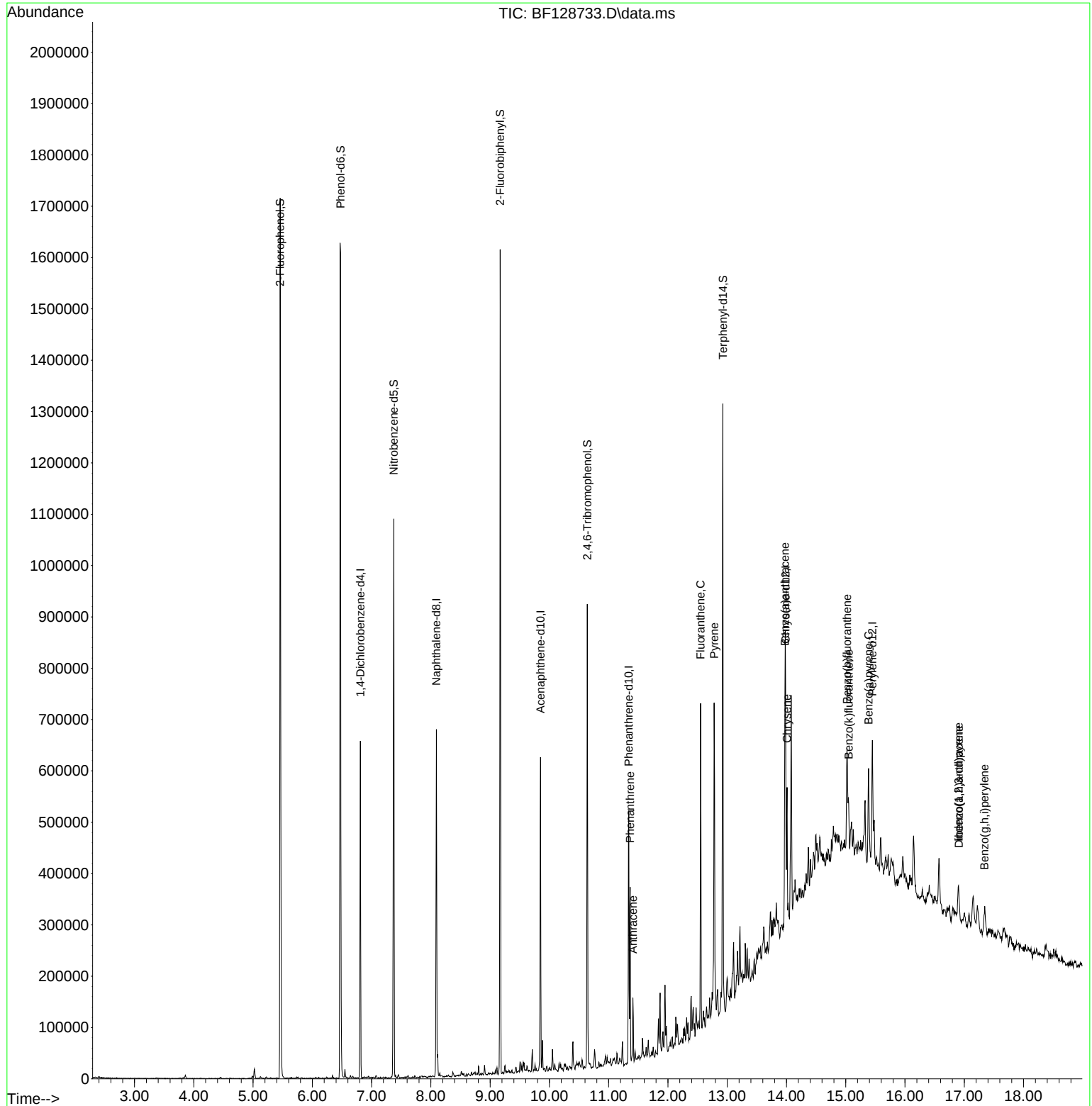
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
Data File : BF128733.D
Acq On : 08 Jun 2022 14:01
Operator : CG\JU
Sample : N3206-01RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

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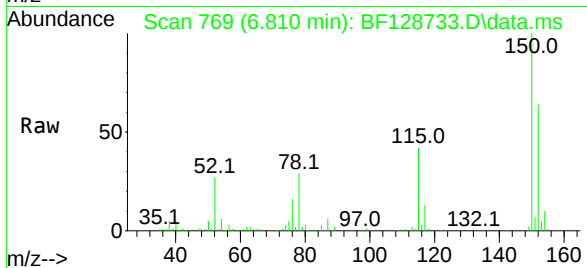
Quant Time: Jun 08 14:31:11 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 08 14:28:39 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01

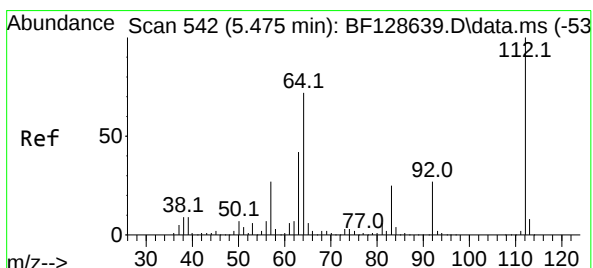
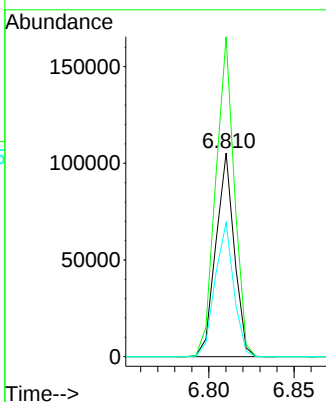
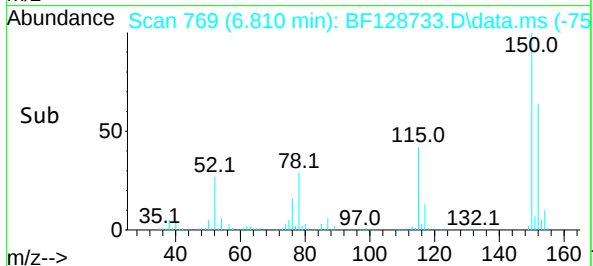
Instrument :
BNA_F
ClientSampleId :
CL-01-060322RE



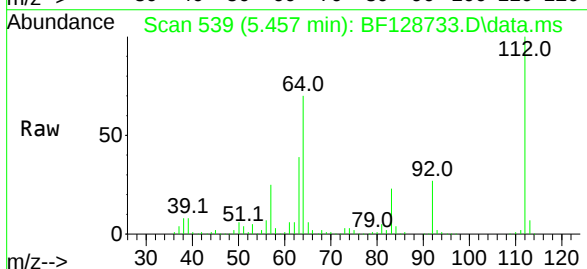
Tgt Ion:152 Resp: 7917
Ion Ratio Lower Upper
152 100
150 157.2 123.7 185.5
115 65.9 49.9 74.9

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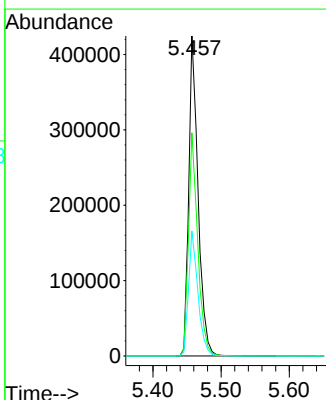
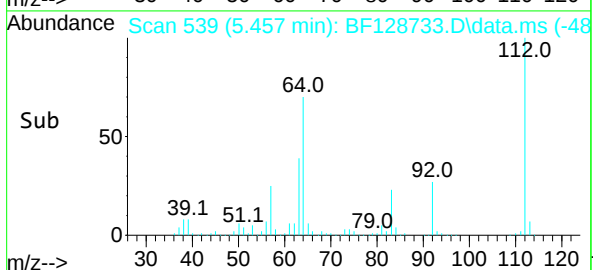
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#5
2-Fluorophenol
Concen: 80.508 ng
RT: 5.457 min Scan# 539
Delta R.T. -0.000 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01



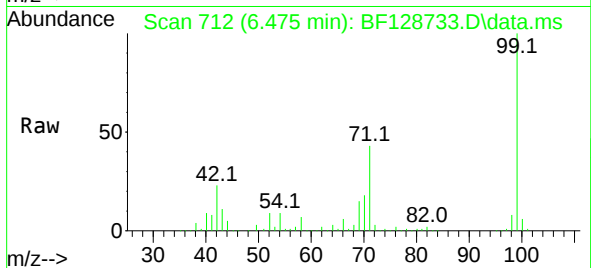
Tgt Ion:112 Resp: 400180
Ion Ratio Lower Upper
112 100
64 69.7 53.3 79.9
63 39.1 28.0 42.0





#7
Phenol-d6
Concen: 79.508 ng
RT: 6.475 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01

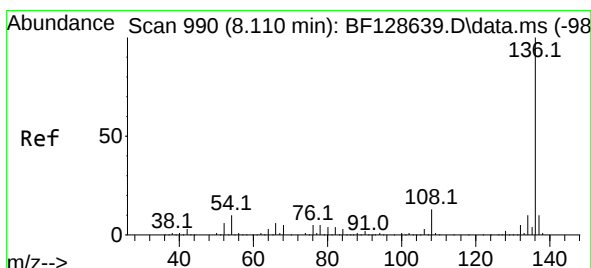
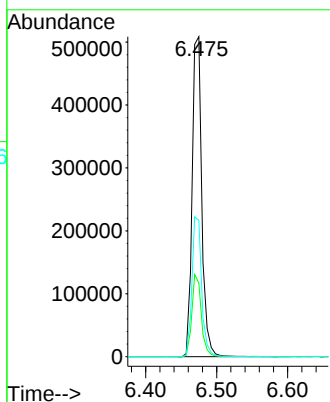
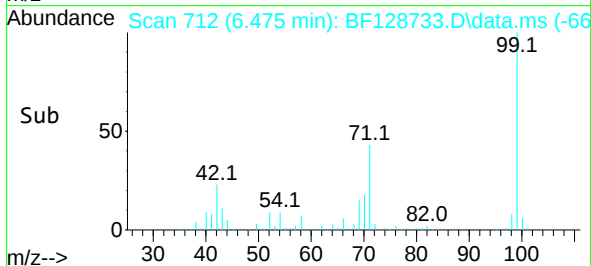
Instrument :
BNA_F
ClientSampleId :
CL-01-060322RE



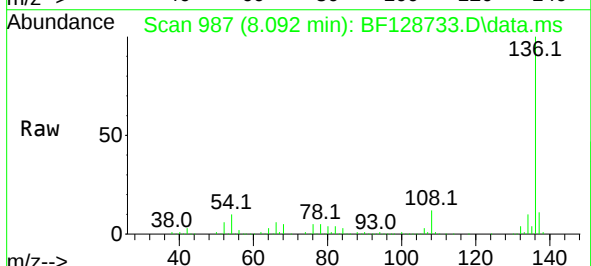
Tgt Ion: 99 Resp: 482425
Ion Ratio Lower Upper
99 100
42 23.0 17.3 25.9
71 42.6 28.9 43.3

Manual Integrations
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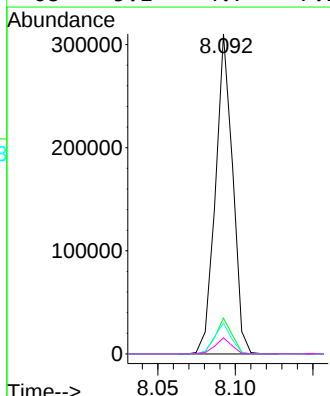
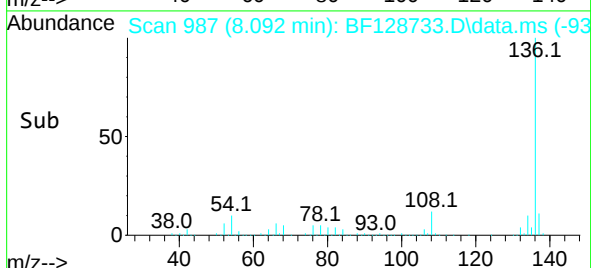
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01



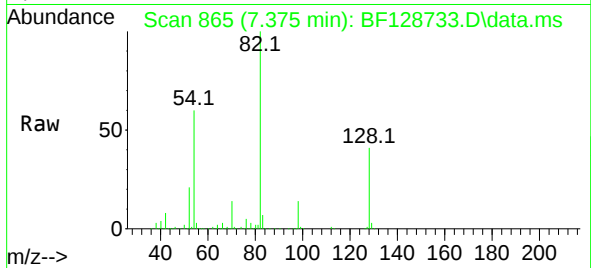
Tgt Ion:136 Resp: 239318
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.6 7.5 11.3
68 5.1 4.7 7.1





#23
Nitrobenzene-d5
Concen: 57.060 ng
RT: 7.375 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01

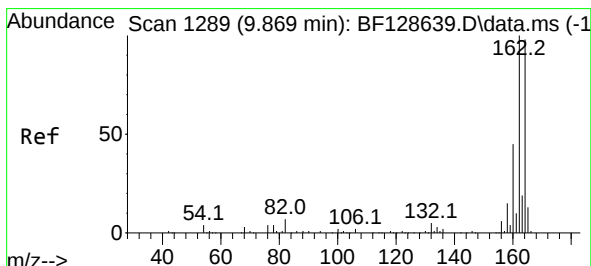
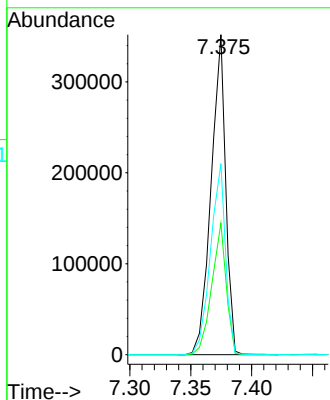
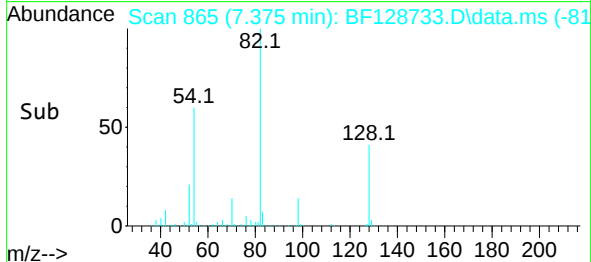
Instrument :
BNA_F
ClientSampleId :
CL-01-060322RE



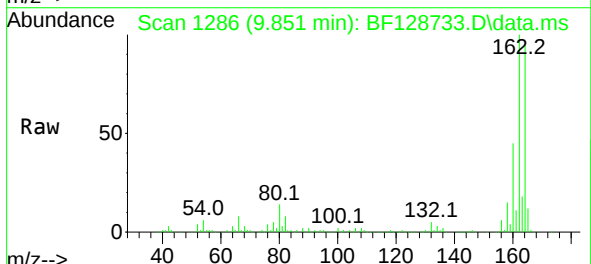
Tgt Ion: 82 Resp: 29329
Ion Ratio Lower Upper
82 100
128 41.1 34.0 51.0
54 59.7 46.9 70.3

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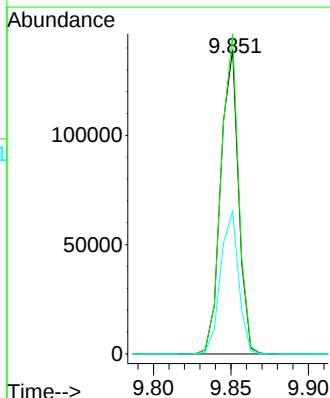
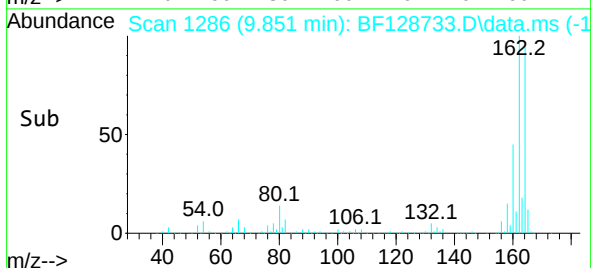
Reviewed By :Christian Giraldo 06/09/2022
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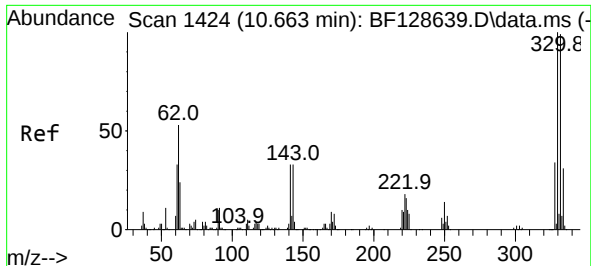


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01



Tgt Ion:164 Resp: 111039
Ion Ratio Lower Upper
164 100
162 105.2 79.5 119.3
160 46.9 34.2 51.4





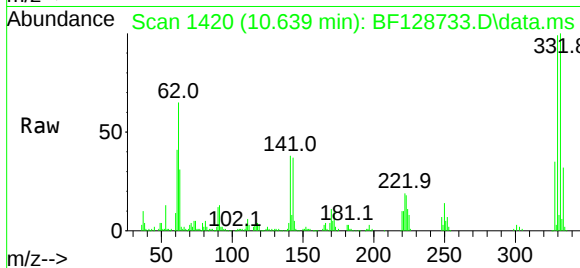
#42
2,4,6-Tribromophenol
Concen: 67.531 ng
RT: 10.639 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01

Instrument :

BNA_F

ClientSampleId :

CL-01-060322RE

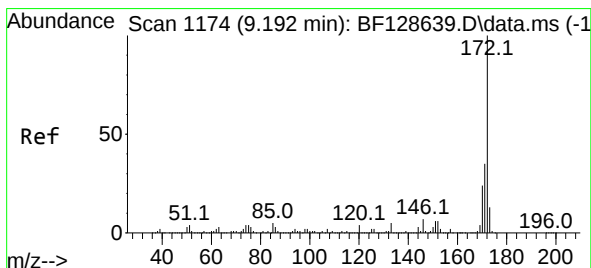
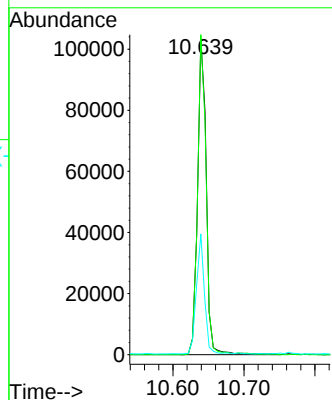
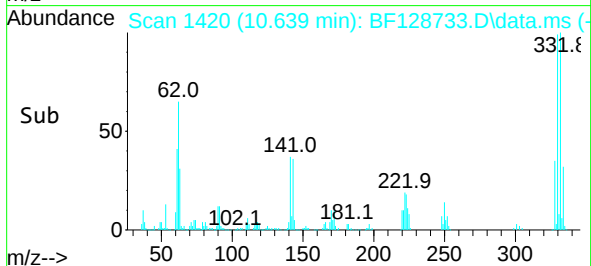


Tgt Ion: 330 Resp: 88599
Ion Ratio Lower Upper
330 100
332 97.9 76.8 115.2
141 35.0 28.0 42.0

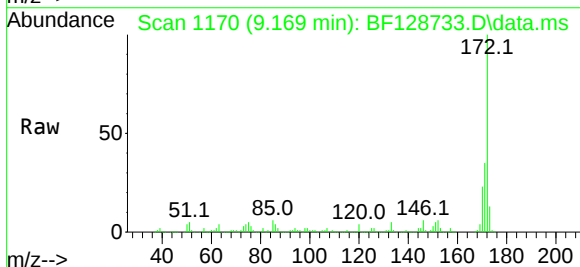
Manual Integrations

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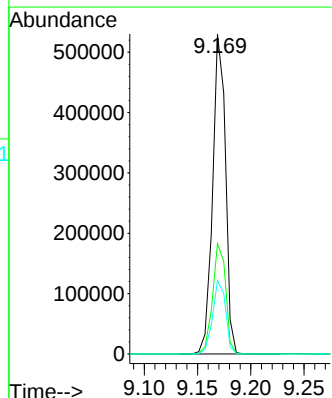
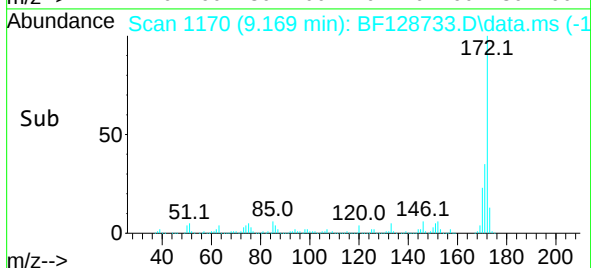
Reviewed By : Christian Giraldo 06/09/2022
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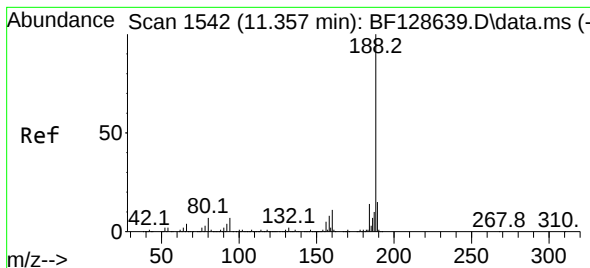


#45
2-Fluorobiphenyl
Concen: 55.997 ng
RT: 9.169 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01



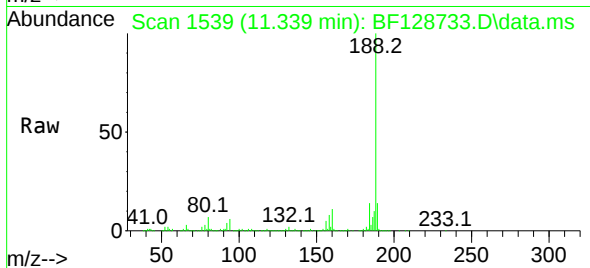
Tgt Ion: 172 Resp: 443876
Ion Ratio Lower Upper
172 100
171 34.5 28.8 43.2
170 22.9 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01

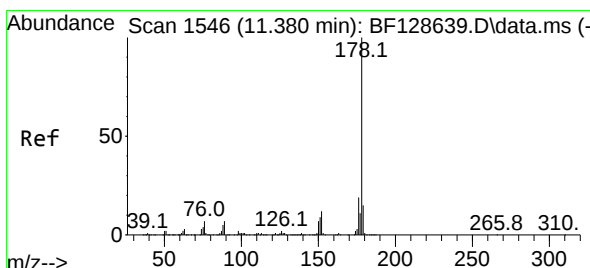
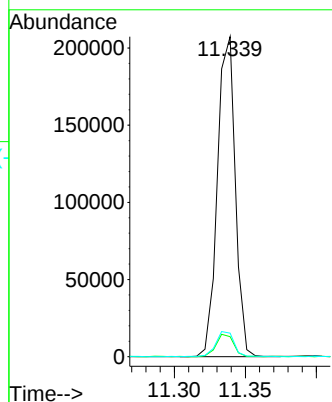
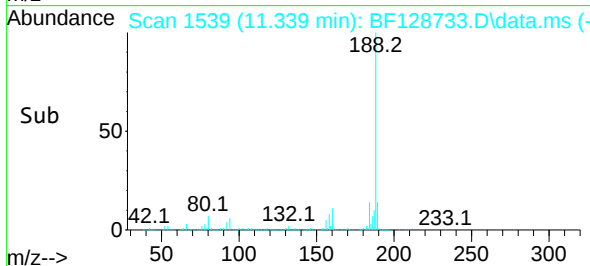
Instrument :
BNA_F
ClientSampleId :
CL-01-060322RE



Tgt Ion:188 Resp: 181420
Ion Ratio Lower Upper
188 100
94 6.3 7.0 10.6
80 7.4 7.6 11.4

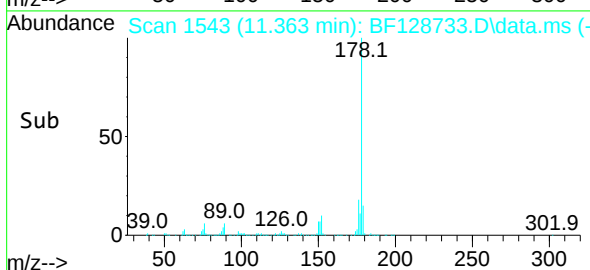
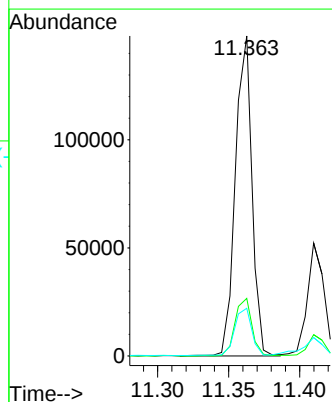
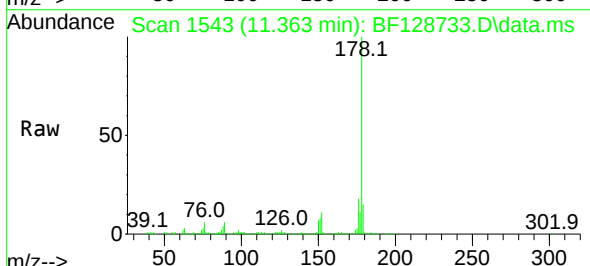
Manual Integrations
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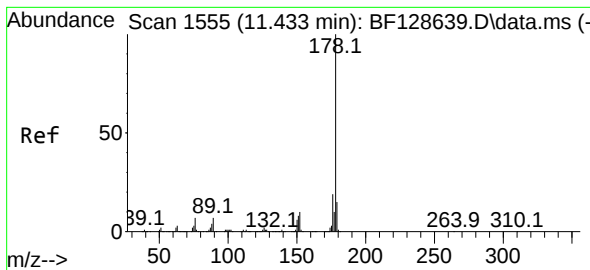
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#71
Phenanthrene
Concen: 13.241 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01

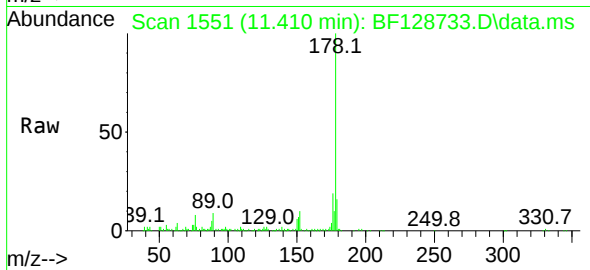
Tgt Ion:178 Resp: 120491
Ion Ratio Lower Upper
178 100
176 18.0 16.0 24.0
179 14.9 12.6 19.0





#72
 Anthracene
 Concen: 4.588 ng
 RT: 11.410 min Scan# 1140
 Delta R.T. -0.012 min
 Lab File: BF128733.D
 Acq: 08 Jun 2022 14:01

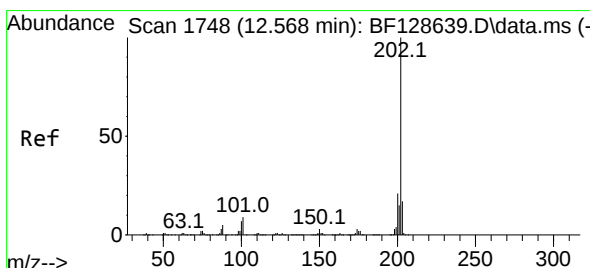
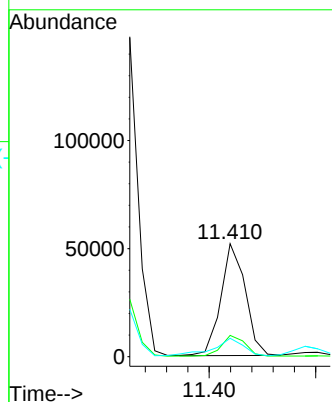
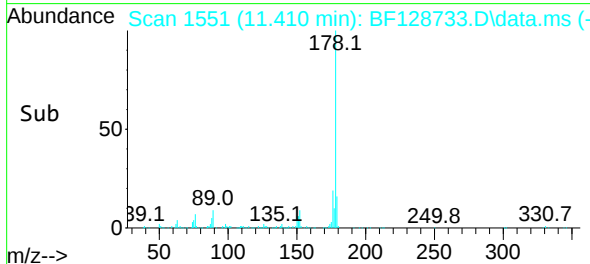
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 CL-01-060322RE



Tgt Ion:178 Resp: 41324
 Ion Ratio Lower Upper
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 176 18.9 15.4 23.2
 179 16.2 12.6 19.0

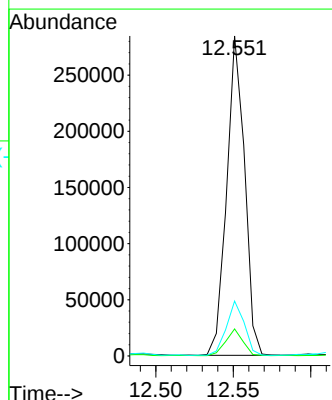
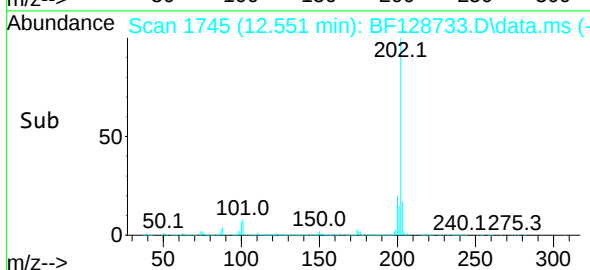
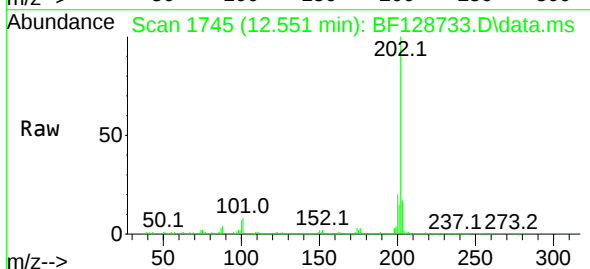
Manual Integrations
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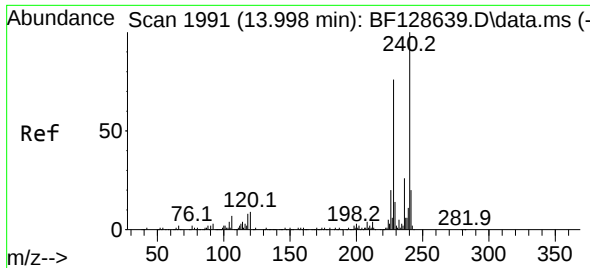
Reviewed By :Christian Giraldo 06/09/2022
 Supervised By :Jagrut Upadhyay 06/09/2022



#75
 Fluoranthene
 Concen: 23.971 ng
 RT: 12.551 min Scan# 1745
 Delta R.T. -0.006 min
 Lab File: BF128733.D
 Acq: 08 Jun 2022 14:01

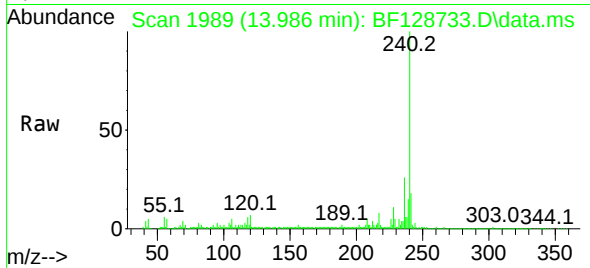
Tgt Ion:202 Resp: 228015
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 31.4
 203 17.2 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01

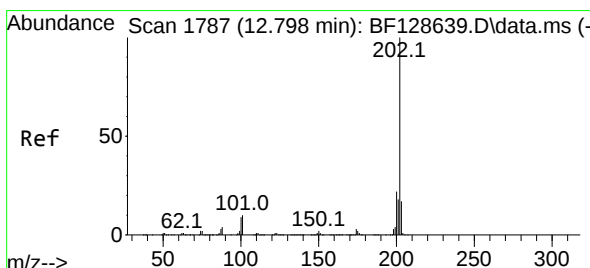
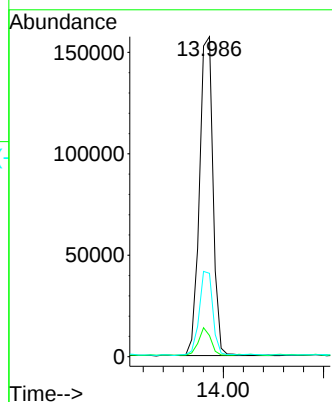
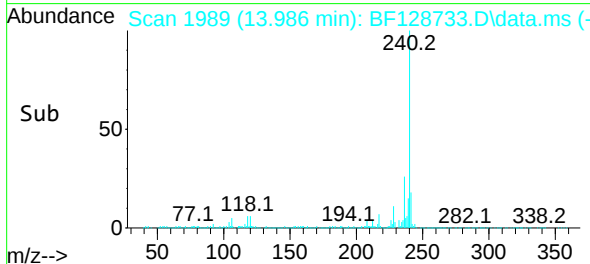
Instrument :
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ClientSampleId :
CL-01-060322RE



Tgt Ion:240 Resp: 148028
Ion Ratio Lower Upper
240 100
120 6.6 8.9 13.3
236 26.0 20.8 31.2

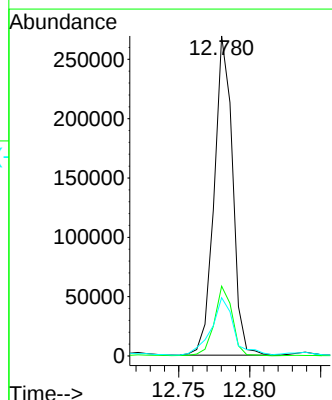
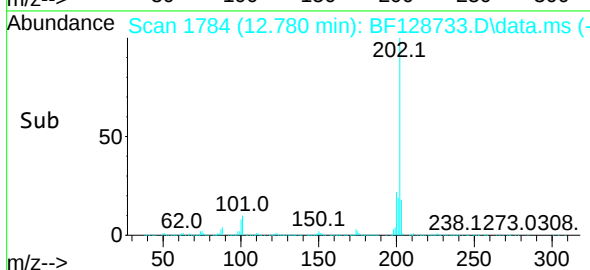
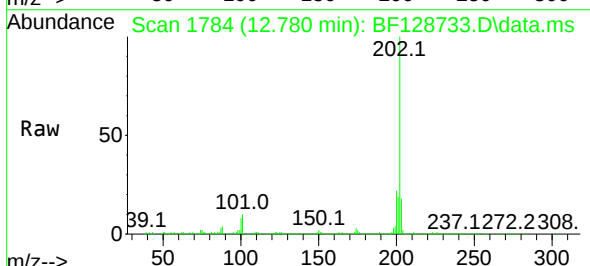
Manual Integrations
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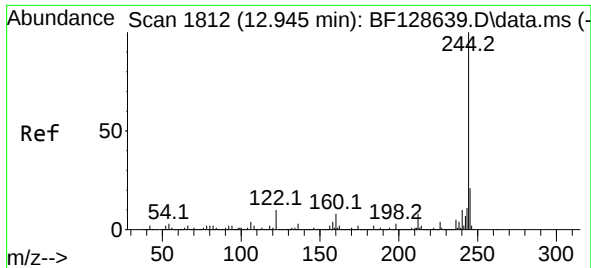
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#78
Pyrene
Concen: 22.031 ng
RT: 12.780 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01

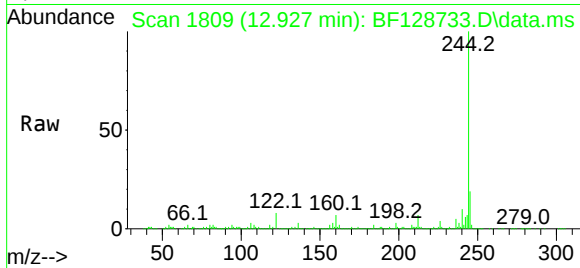
Tgt Ion:202 Resp: 242633
Ion Ratio Lower Upper
202 100
200 21.8 17.7 26.5
203 18.2 14.6 21.8





#79
 Terphenyl-d14
 Concen: 44.807 ng
 RT: 12.927 min Scan# 1809
 Delta R.T. -0.006 min
 Lab File: BF128733.D
 Acq: 08 Jun 2022 14:01

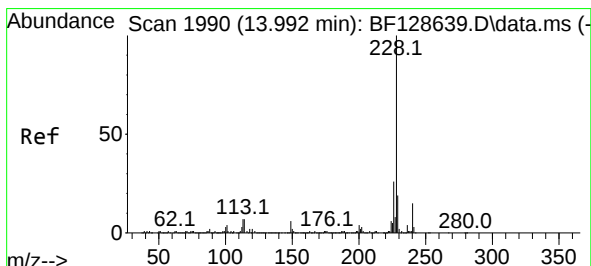
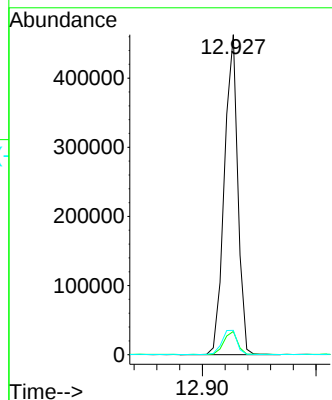
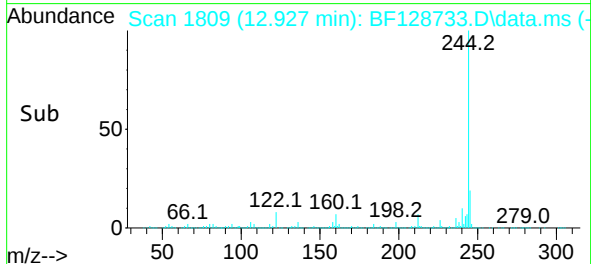
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-060322RE



Tgt Ion:244 Resp: 381704
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 7.6 8.8 13.2

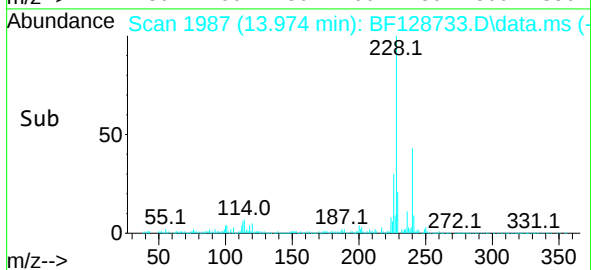
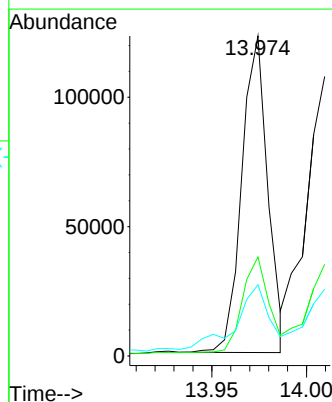
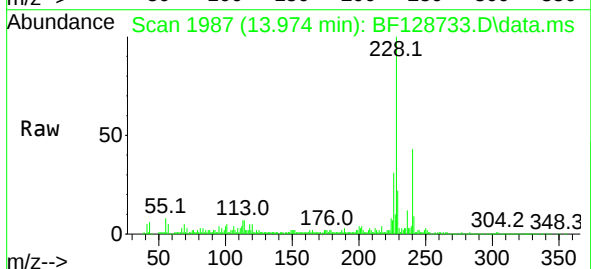
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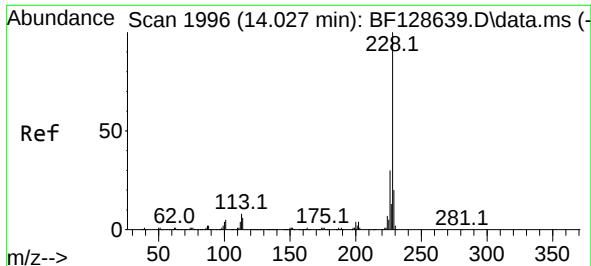
Reviewed By :Christian Giraldo 06/09/2022
 Supervised By :Jagrut Upadhyay 06/09/2022



#81
 Benzo(a)anthracene
 Concen: 12.665 ng
 RT: 13.974 min Scan# 1987
 Delta R.T. -0.000 min
 Lab File: BF128733.D
 Acq: 08 Jun 2022 14:01

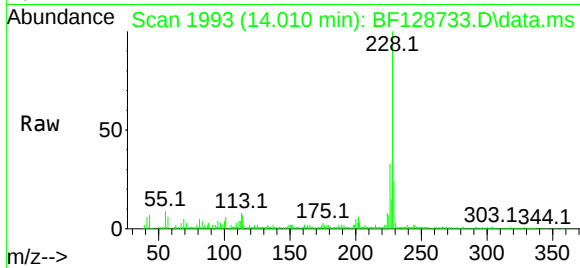
Tgt Ion:228 Resp: 116860
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.1 33.1
 229 22.2 15.8 23.8





#83
Chrysene
Concen: 12.862 ng m
RT: 14.010 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01

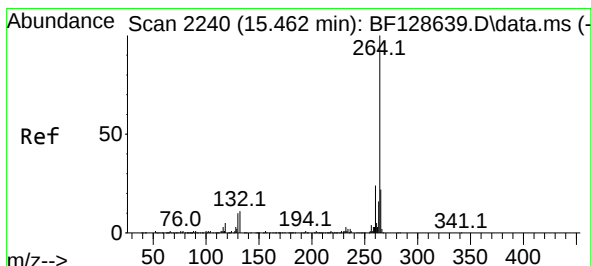
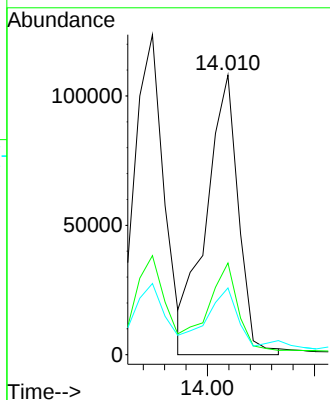
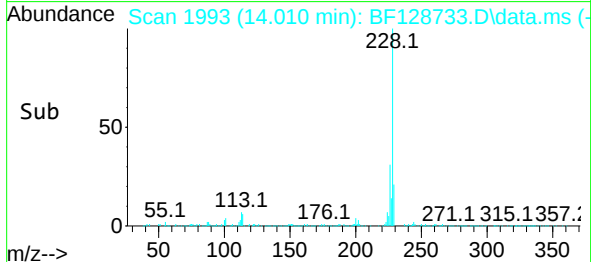
Instrument :
BNA_F
ClientSampleId :
CL-01-060322RE



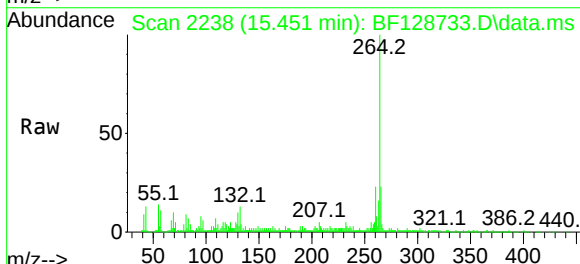
Tgt Ion:228 Resp: 113145
Ion Ratio Lower Upper
228 100
226 32.8 24.3 36.5
229 23.9 15.9 23.9

Manual Integrations
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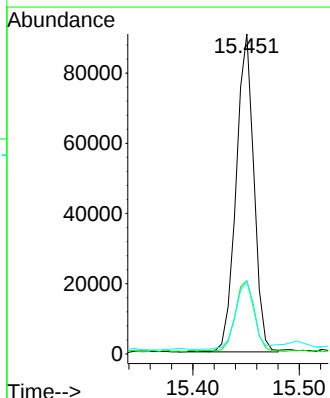
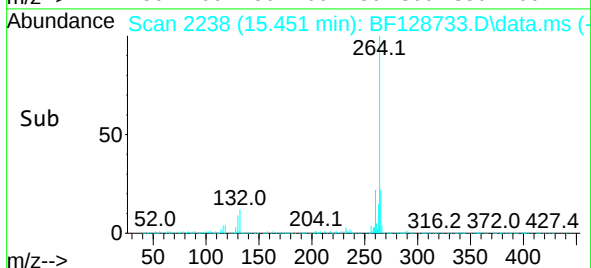
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

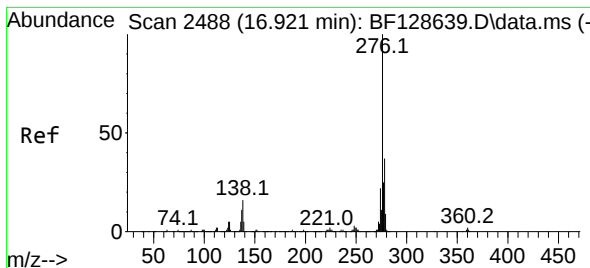


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2238
Delta R.T. 0.006 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01



Tgt Ion:264 Resp: 105175
Ion Ratio Lower Upper
264 100
260 22.9 18.4 27.6
265 22.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.427 ng

RT: 16.904 min Scan# 2488

Delta R.T. 0.006 min

Lab File: BF128733.D

Acq: 08 Jun 2022 14:01

Instrument :

BNA_F

ClientSampleId :

CL-01-060322RE

Tgt Ion: 276 Resp: 4074

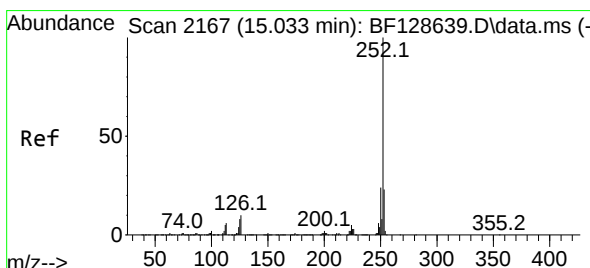
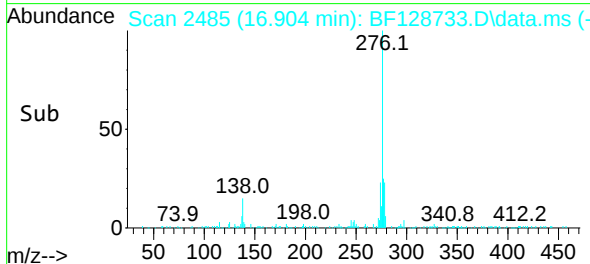
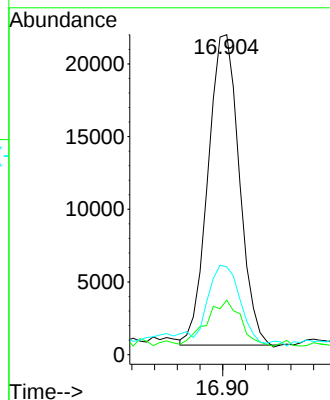
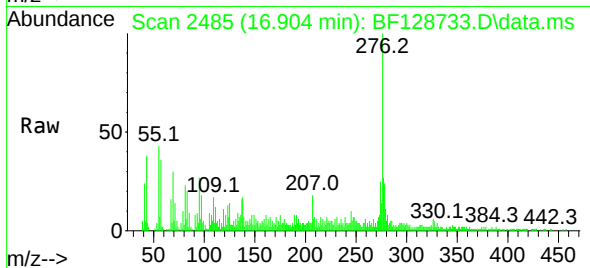
Ion	Ratio	Lower	Upper
276	100		
138	16.4	21.1	31.7
277	29.0	20.3	30.5

Manual Integrations

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Reviewed By : Christian Giraldo 06/09/2022

Supervised By : Jagrut Upadhyay 06/09/2022



#88

Benzo(b)fluoranthene

Concen: 16.213 ng m

RT: 15.021 min Scan# 2165

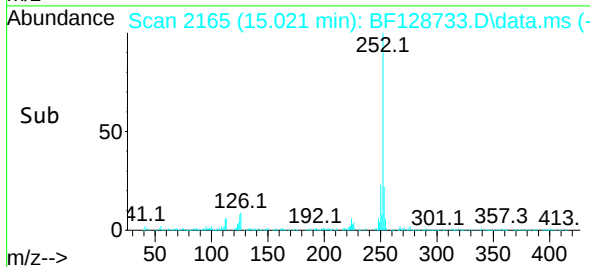
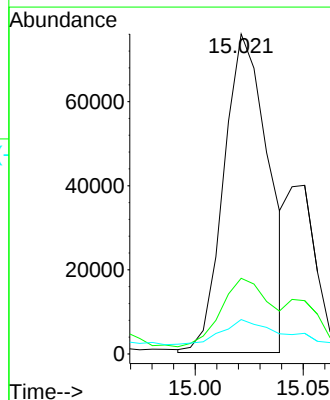
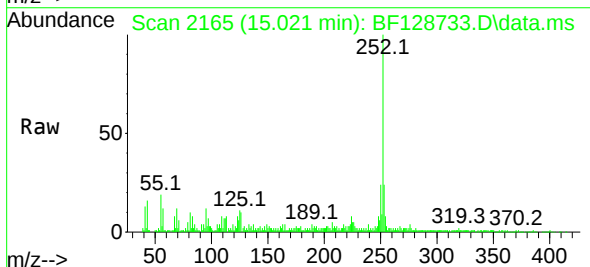
Delta R.T. -0.000 min

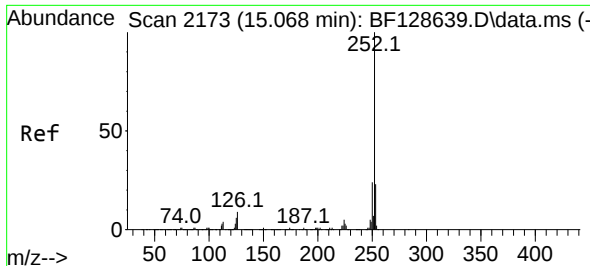
Lab File: BF128733.D

Acq: 08 Jun 2022 14:01

Tgt Ion: 252 Resp: 108961

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	10.7	8.0	12.0





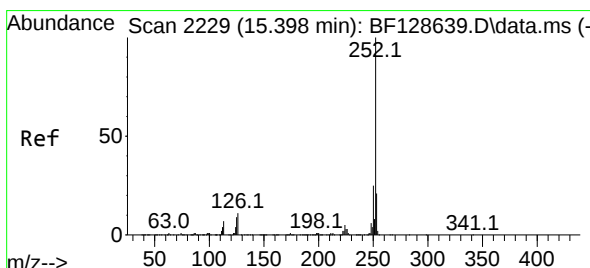
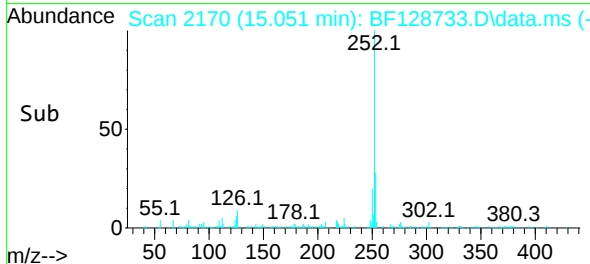
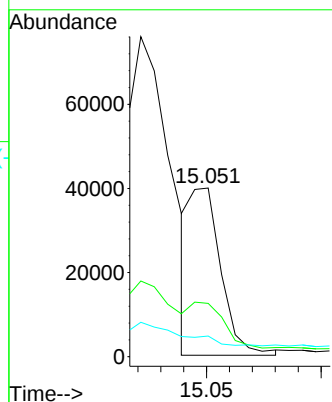
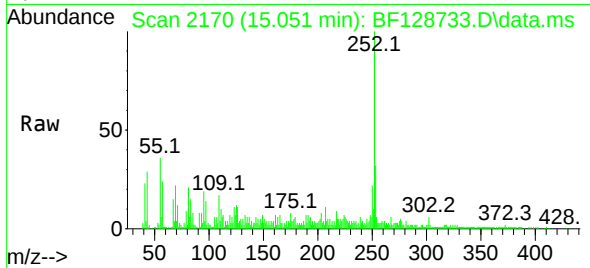
#89
Benzo(k)fluoranthene
Concen: 5.981 ng m
RT: 15.051 min Scan# 2173
Delta R.T. -0.000 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01

Instrument :
BNA_F
ClientSampleId :
CL-01-060322RE

Tgt Ion:252 Resp: 3781
Ion Ratio Lower Upper
252 100
253 31.6 17.8 26.6
125 12.2 8.3 12.5

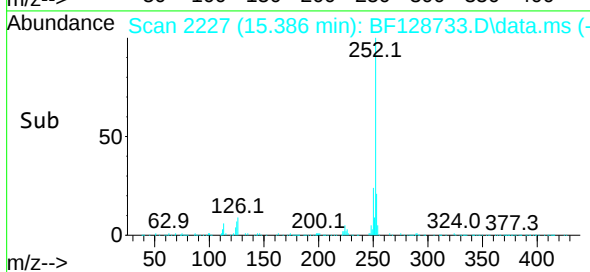
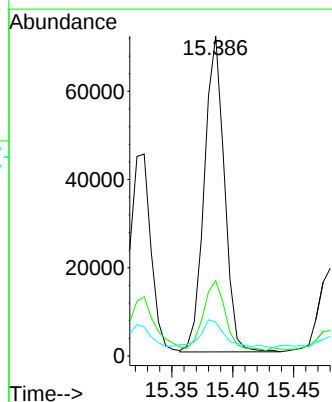
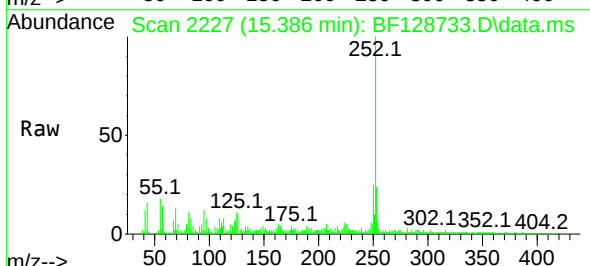
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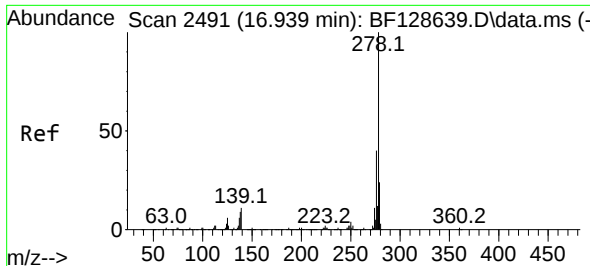
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#90
Benzo(a)pyrene
Concen: 15.481 ng
RT: 15.386 min Scan# 2227
Delta R.T. -0.000 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01

Tgt Ion:252 Resp: 81775
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 10.6 8.8 13.2





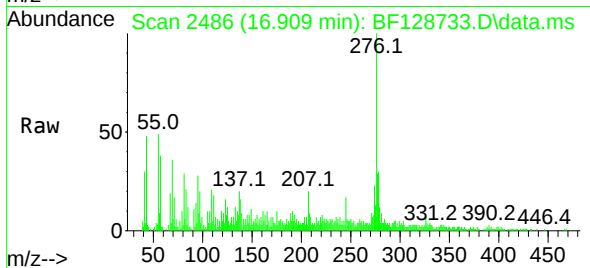
#91
Dibenzo(a,h)anthracene
Concen: 2.026 ng
RT: 16.909 min Scan# 2491
Delta R.T. -0.006 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01

Instrument :

BNA_F

ClientSampleId :

CL-01-060322RE

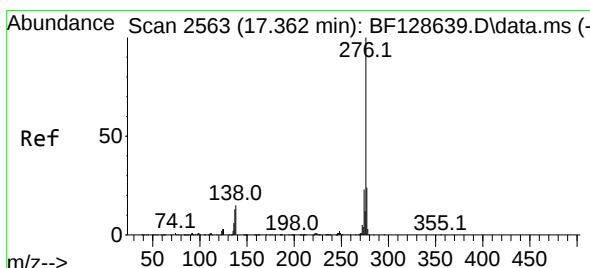
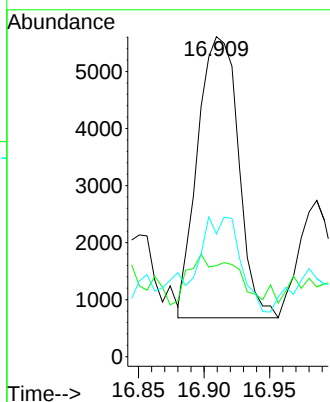
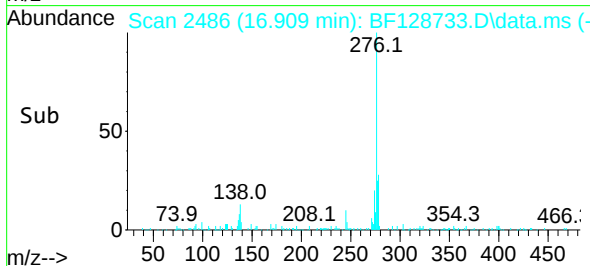


Tgt Ion:278 Resp: 10654
Ion Ratio Lower Upper
278 100
139 28.5 12.8 19.2
279 38.4 18.6 28.0

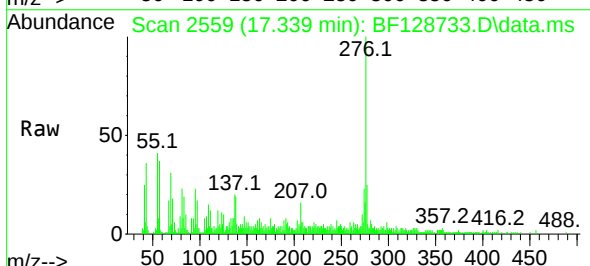
Manual Integrations

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Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#92
Benzo(g,h,i)perylene
Concen: 8.169 ng
RT: 17.339 min Scan# 2559
Delta R.T. -0.000 min
Lab File: BF128733.D
Acq: 08 Jun 2022 14:01



Tgt Ion:276 Resp: 42574
Ion Ratio Lower Upper
276 100
277 25.2 19.1 28.7
138 18.7 18.0 27.0

