

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
 Data File : BF129755.D
 Acq On : 12 Aug 2022 21:02
 Operator : CG\JU
 Sample : N4150-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-081022

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2022
 Supervised By :Sohil Jodhani 08/16/2022

Quant Time: Aug 13 02:08:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 12 15:52:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	102555	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	358018	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	159254	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	283524	20.000	ng	# 0.00
76) Chrysene-d12	14.015	240	270723	20.000	ng	0.00
86) Perylene-d12	15.492	264	202989	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	498097	79.118	ng	0.00
7) Phenol-d6	6.487	99	556324	70.304	ng	0.00
23) Nitrobenzene-d5	7.392	82	343989	52.450	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	124103	81.054	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	595093	57.806	ng	0.00
79) Terphenyl-d14	12.945	244	745597	51.958	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.728	152	45974	3.220	ng	99
52) Acenaphthene	9.898	154	59263	6.356	ng	95
55) Dibenzofuran	10.069	168	34273	2.666	ng	# 92
58) Fluorene	10.416	166	81867	7.960	ng	98
71) Phenanthrene	11.386	178	1336337	86.344	ng	100
72) Anthracene	11.433	178	393893	25.898	ng	99
73) Carbazole	11.592	167	65877	4.601	ng	100
75) Fluoranthene	12.586	202	2756938	175.808	ng	97
78) Pyrene	12.816	202	2325295	102.714	ng	99
81) Benzo(a)anthracene	14.004	228	1301635	70.385	ng	97
83) Chrysene	14.045	228	1130567	64.867	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	478670	35.017	ng	# 92
88) Benzo(b)fluoranthene	15.063	252	1301759m	96.678	ng	
89) Benzo(k)fluoranthene	15.086	252	386764m	29.311	ng	
90) Benzo(a)pyrene	15.433	252	775236	70.924	ng	97
91) Dibenzo(a,h)anthracene	16.980	278	127195m	11.433	ng	
92) Benzo(g,h,i)perylene	17.433	276	433026	38.090	ng	97

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

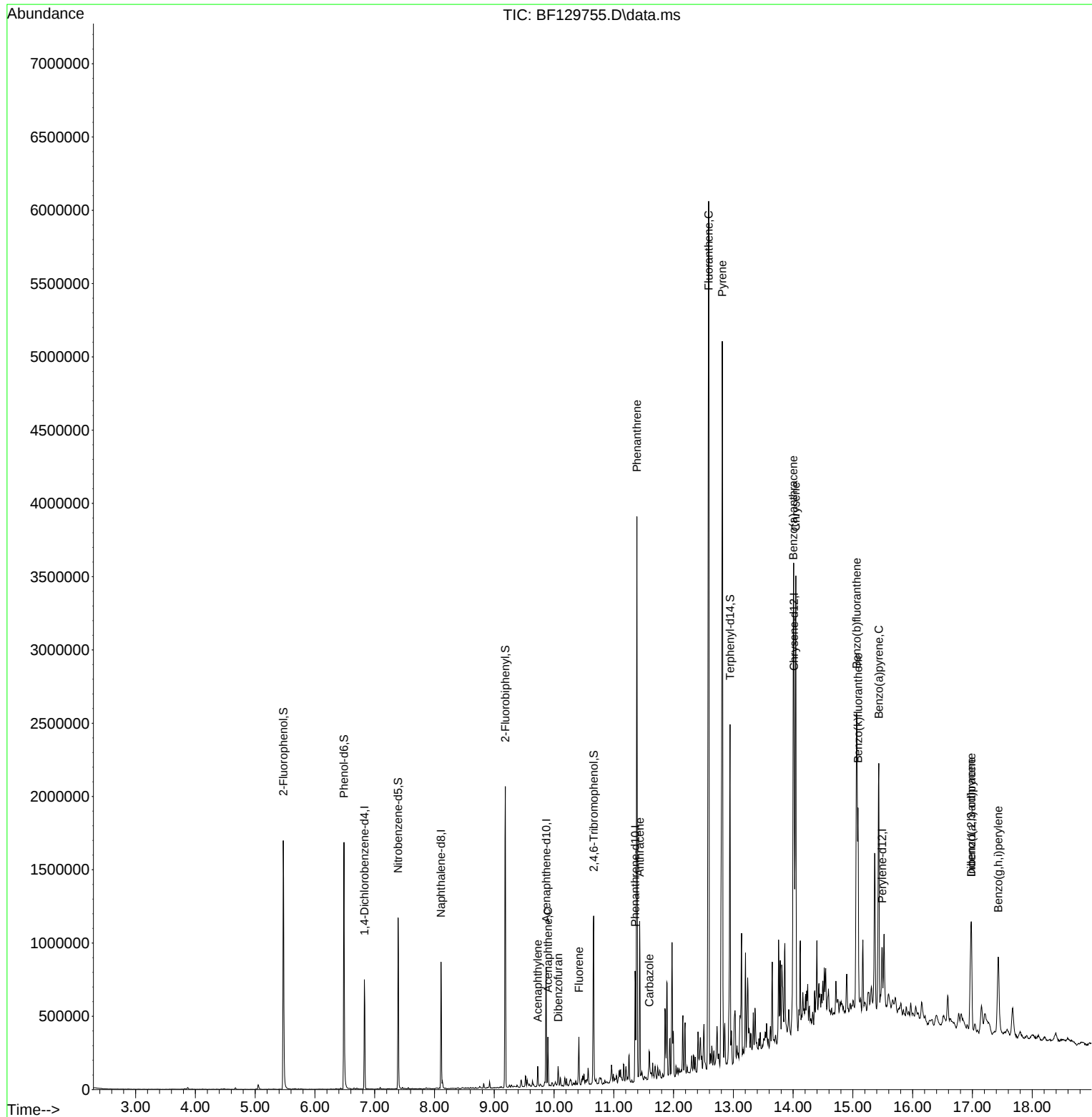
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
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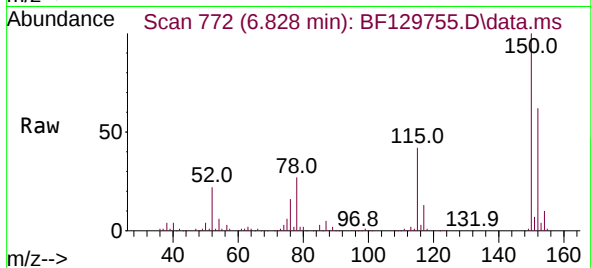
Quant Time: Aug 13 02:08:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 12 15:52:45 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

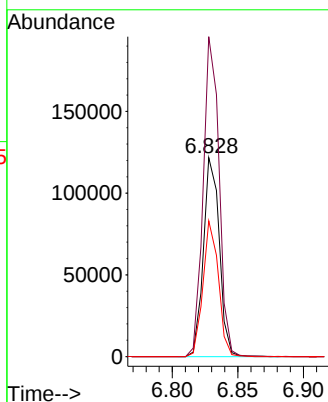
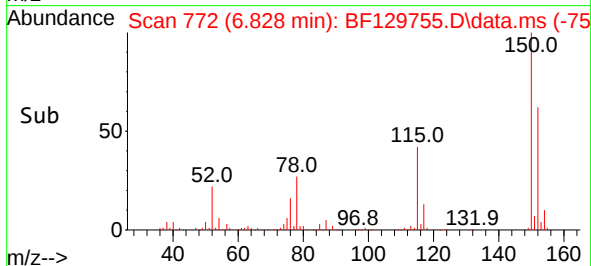
Instrument :
BNA_F
ClientSampleId :
CL-01-081022



Tgt Ion:152 Resp: 10255
Ion Ratio Lower Upper
152 100
150 160.9 123.7 185.5
115 68.3 49.9 74.9

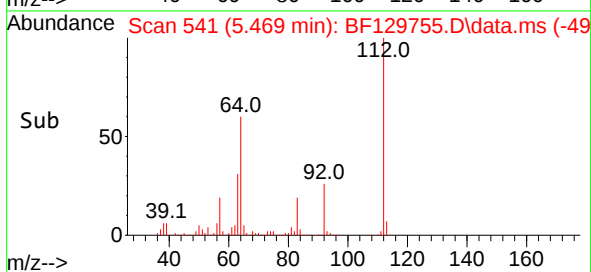
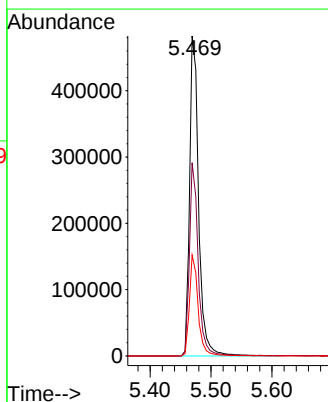
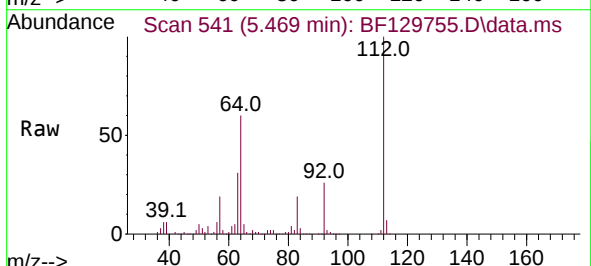
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#5
2-Fluorophenol
Concen: 79.118 ng
RT: 5.469 min Scan# 541
Delta R.T. -0.000 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

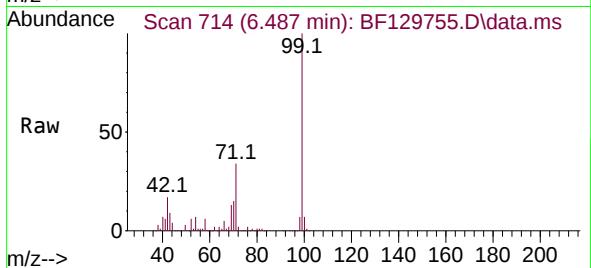
Tgt Ion:112 Resp: 498097
Ion Ratio Lower Upper
112 100
64 60.4 53.3 79.9
63 31.5 28.0 42.0





#7
Phenol-d6
Concen: 70.304 ng
RT: 6.487 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

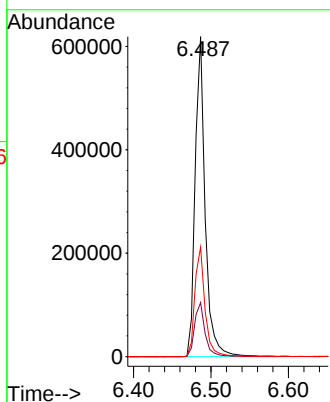
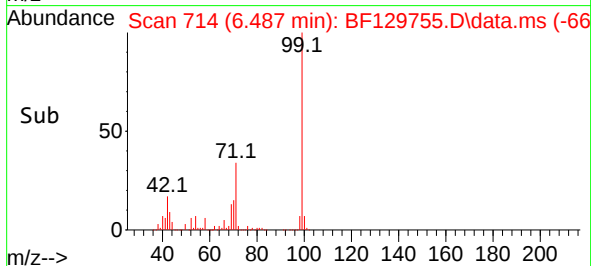
Instrument :
BNA_F
ClientSampleId :
CL-01-081022



Tgt Ion: 99 Resp: 556324
Ion Ratio Lower Upper
99 100
42 16.9 17.3 25.9
71 34.2 28.9 43.3

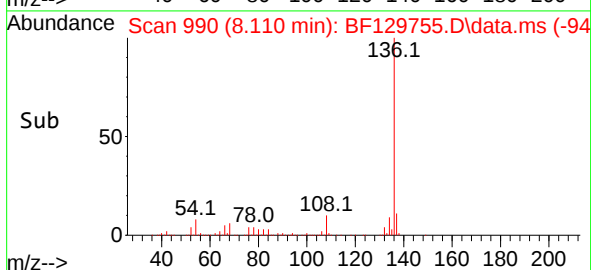
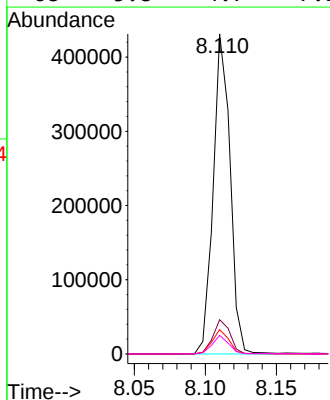
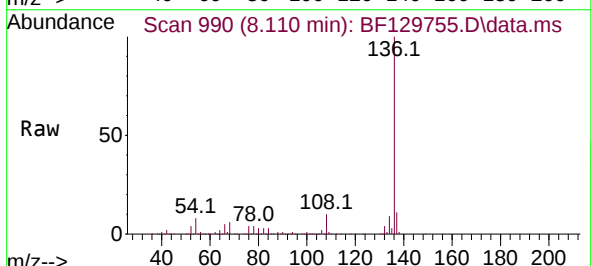
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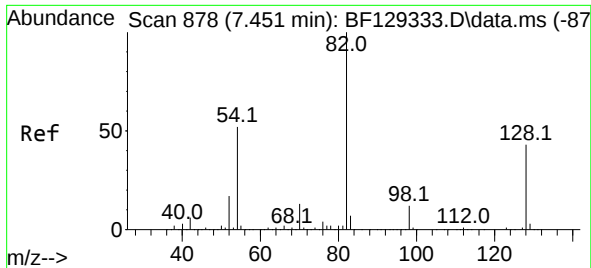
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion:136 Resp: 358018
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.6 7.5 11.3
68 5.8 4.7 7.1





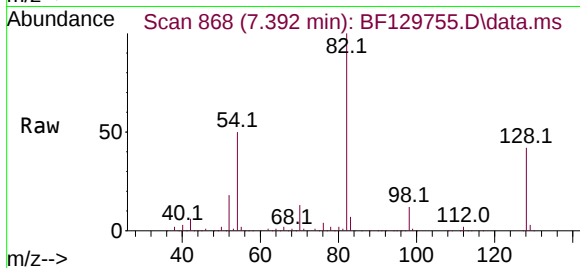
#23
Nitrobenzene-d5
Concen: 52.450 ng
RT: 7.392 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Instrument :

BNA_F

ClientSampleId :

CL-01-081022

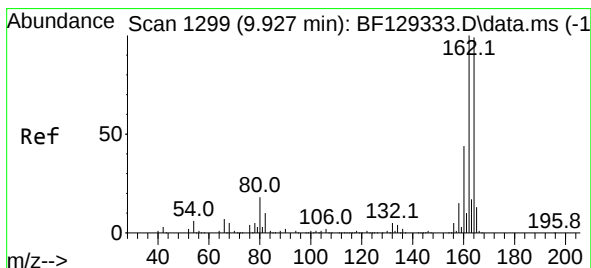
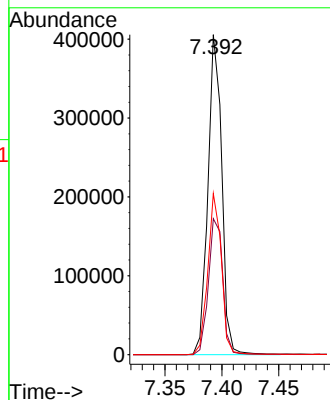
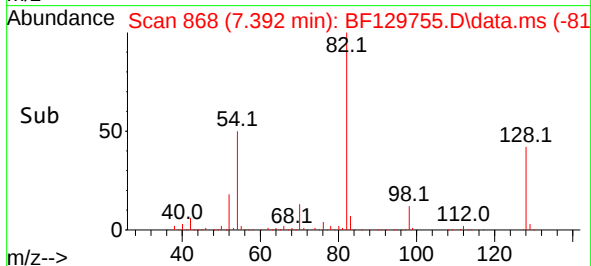


Tgt Ion: 82 Resp: 343989
Ion Ratio Lower Upper
82 100
128 42.5 34.0 51.0
54 50.3 46.9 70.3

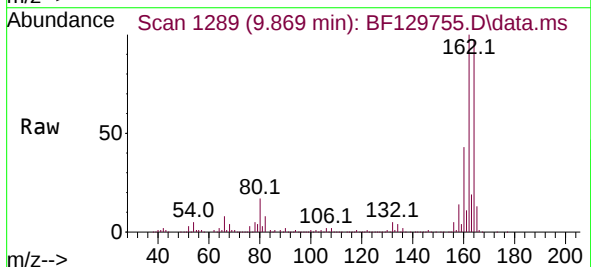
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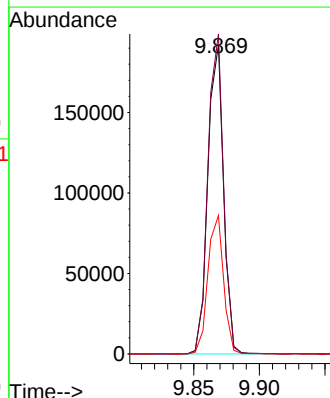
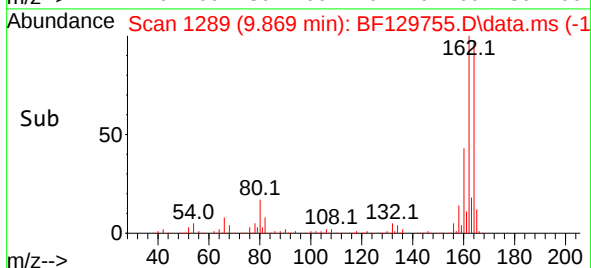
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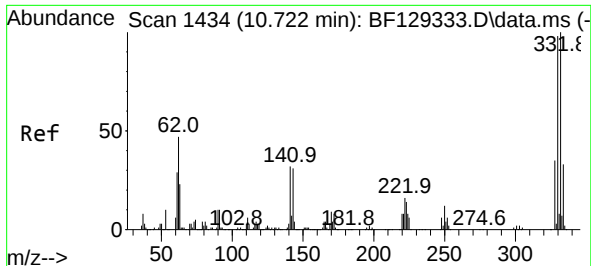


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02



Tgt Ion:164 Resp: 159254
Ion Ratio Lower Upper
164 100
162 103.5 79.5 119.3
160 44.7 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 81.054 ng
RT: 10.663 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Instrument :

BNA_F

ClientSampleId :

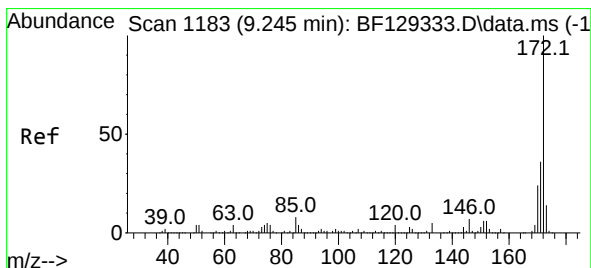
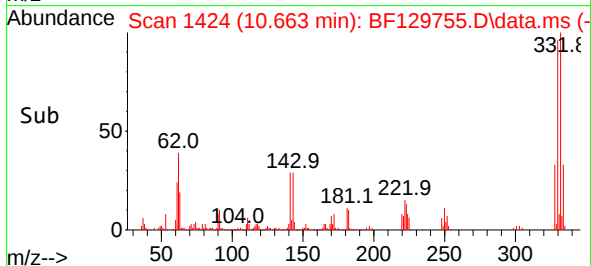
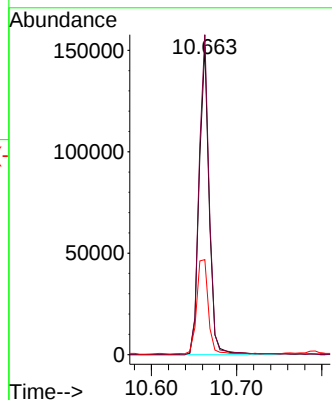
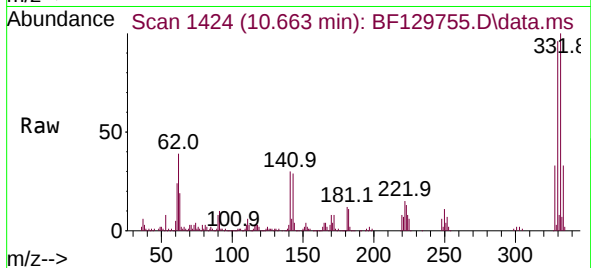
CL-01-081022

Tgt Ion:330 Resp: 124103
Ion Ratio Lower Upper
330 100
332 104.8 76.8 115.2
141 35.4 28.0 42.0

Manual Integrations

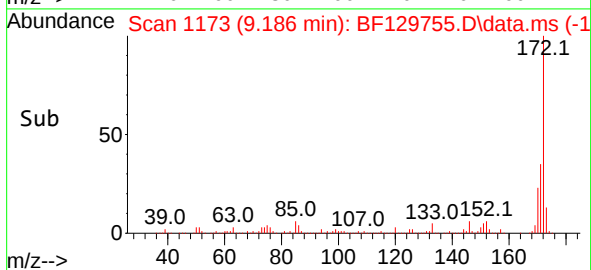
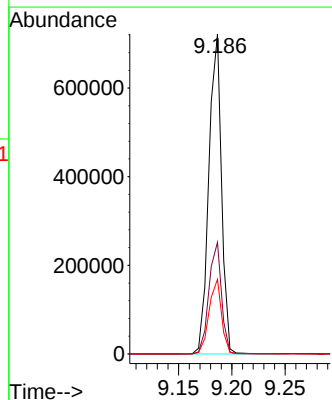
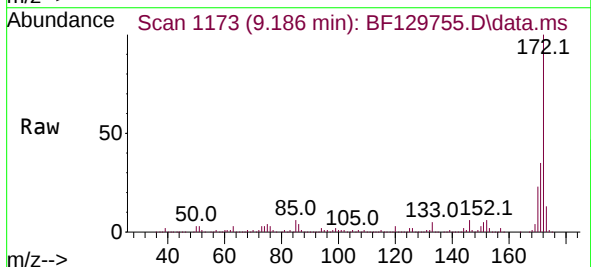
APPROVED

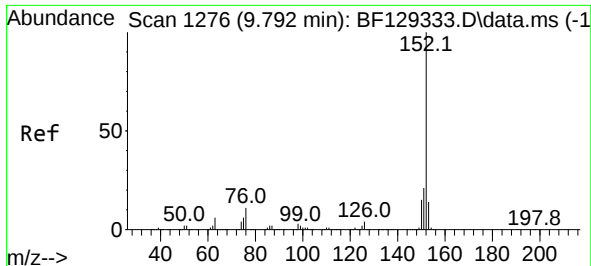
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#45
2-Fluorobiphenyl
Concen: 57.806 ng
RT: 9.186 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

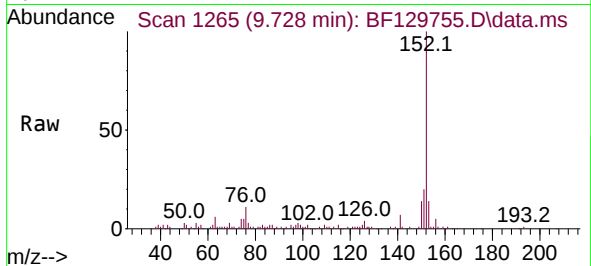
Tgt Ion:172 Resp: 595093
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 23.3 19.8 29.8





#49
Acenaphthylene
Concen: 3.220 ng
RT: 9.728 min Scan# 1265
Delta R.T. -0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

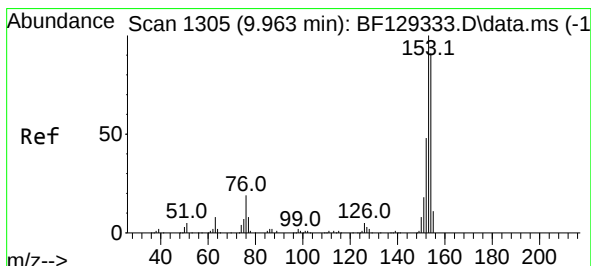
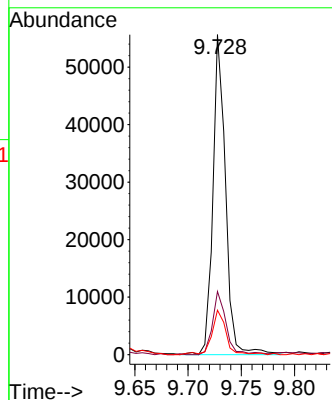
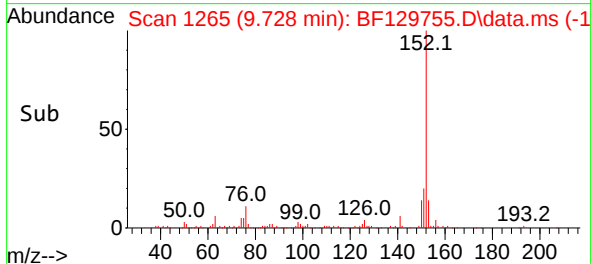
Instrument :
BNA_F
ClientSampleId :
CL-01-081022



Tgt Ion:152 Resp: 45974
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.4
153 13.9 10.7 16.1

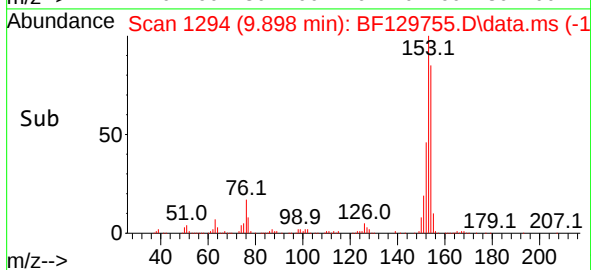
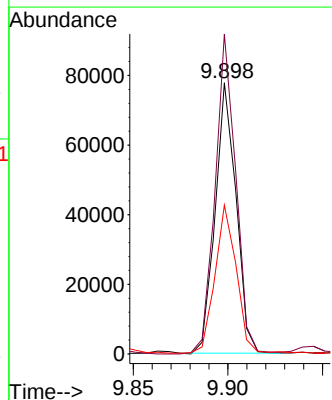
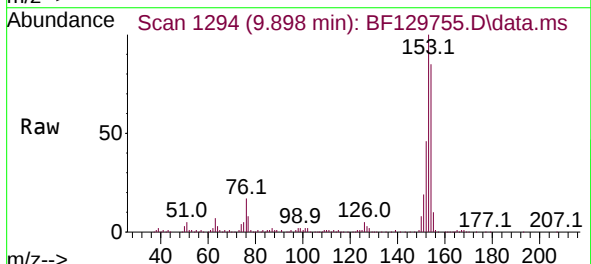
Manual Integrations
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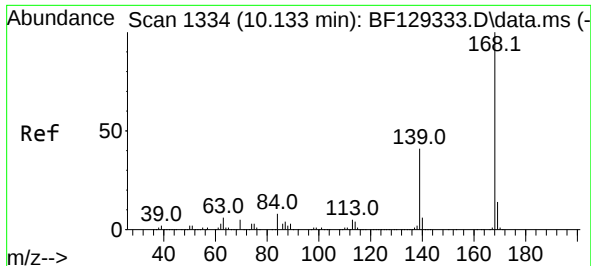
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Supervised By :Sohil Jodhani 08/16/2022



#52
Acenaphthene
Concen: 6.356 ng
RT: 9.898 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion:154 Resp: 59263
Ion Ratio Lower Upper
154 100
153 118.0 89.6 134.4
152 54.9 42.4 63.6





#55

Dibenzenofuran

Concen: 2.666 ng

RT: 10.069 min Scan# 1323

Delta R.T. -0.012 min

Lab File: BF129755.D

Acq: 12 Aug 2022 21:02

Instrument :

BNA_F

ClientSampleId :

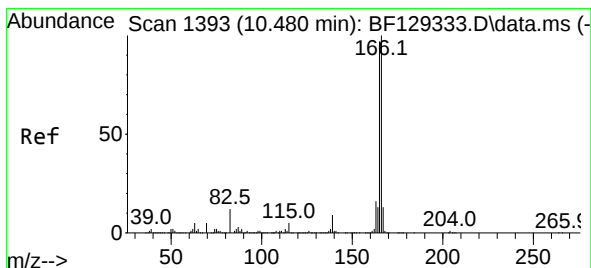
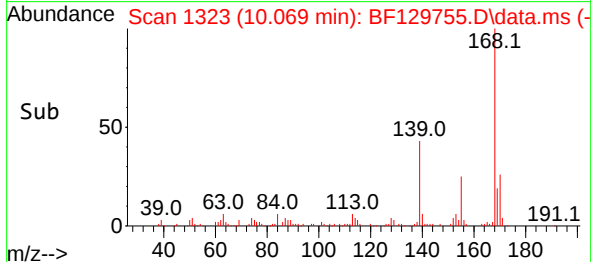
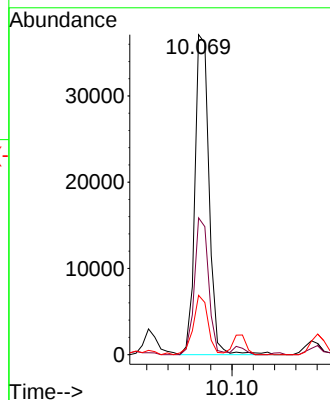
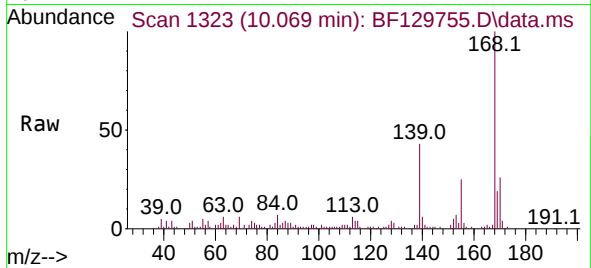
CL-01-081022

Tgt Ion:168 Resp: 34273
 Ion Ratio Lower Upper
 168 100
 139 42.8 30.6 46.0
 169 18.5 11.0 16.6

Manual Integrations

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#58

Fluorene

Concen: 7.960 ng

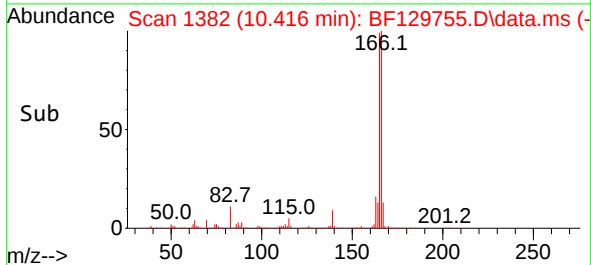
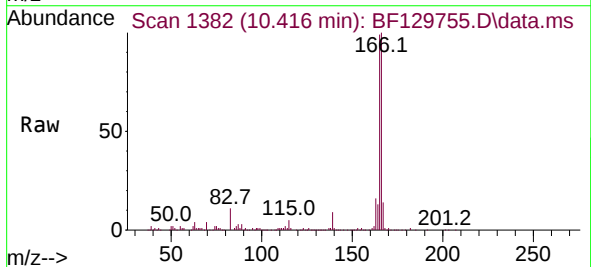
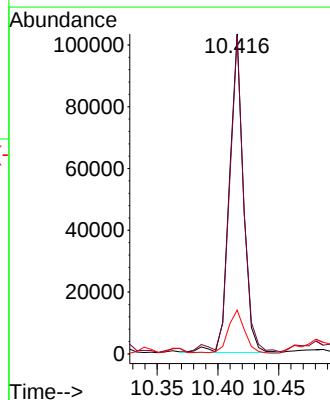
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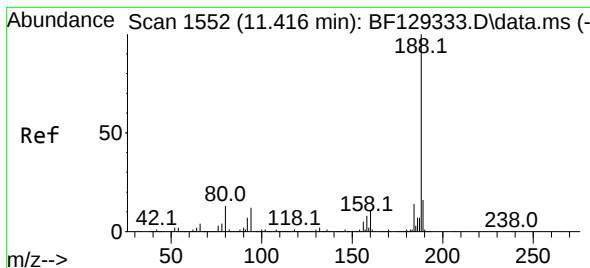
Delta R.T. -0.006 min

Lab File: BF129755.D

Acq: 12 Aug 2022 21:02

Tgt Ion:166 Resp: 81867
 Ion Ratio Lower Upper
 166 100
 165 99.3 78.1 117.1
 167 13.7 10.5 15.7





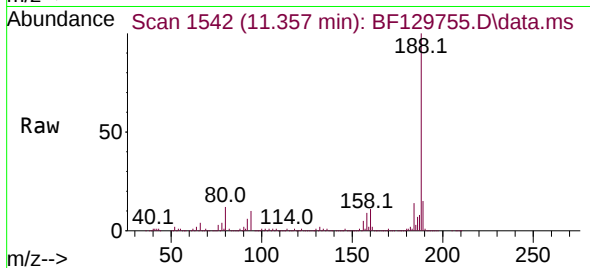
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Instrument :

BNA_F

ClientSampleId :

CL-01-081022

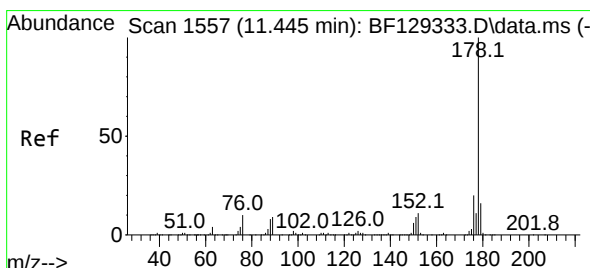
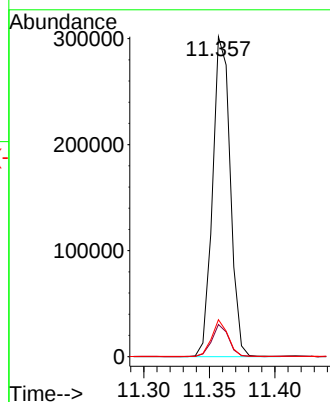
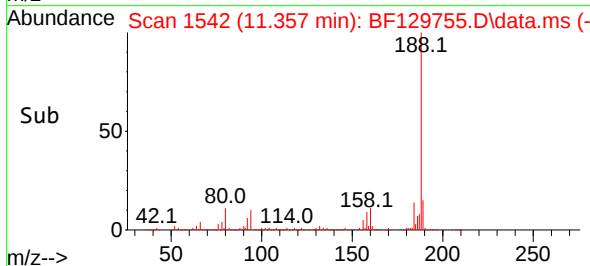


Tgt Ion:188 Resp: 283524
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.6
80 11.5 7.6 11.4

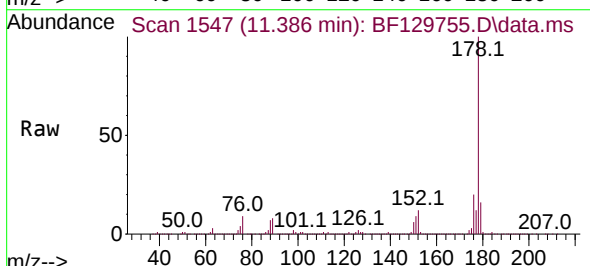
Manual Integrations

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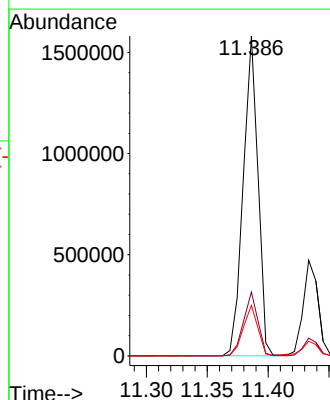
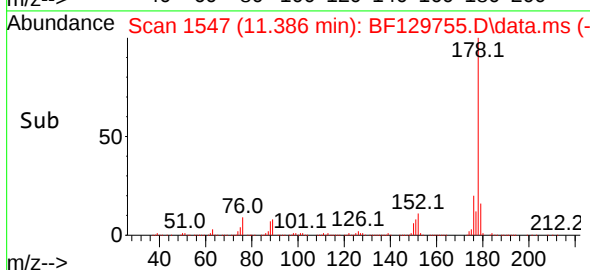
Reviewed By :Jagrut Upadhyay 08/15/2022
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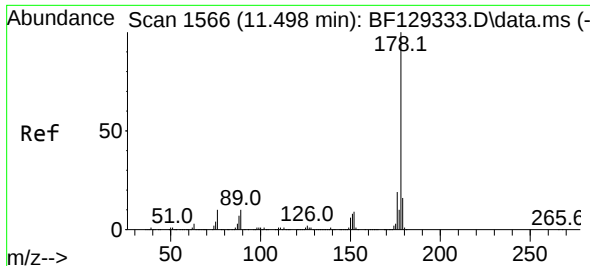


#71
Phenanthrene
Concen: 86.344 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02



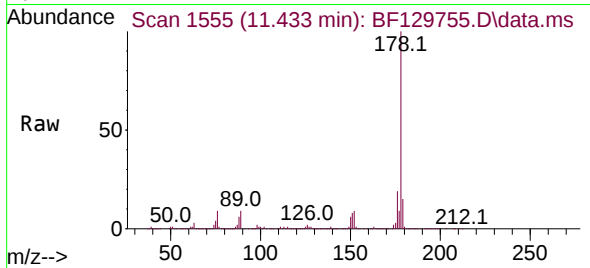
Tgt Ion:178 Resp: 1336337
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.8 12.6 19.0





#72
 Anthracene
 Concen: 25.898 ng
 RT: 11.433 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129755.D
 Acq: 12 Aug 2022 21:02

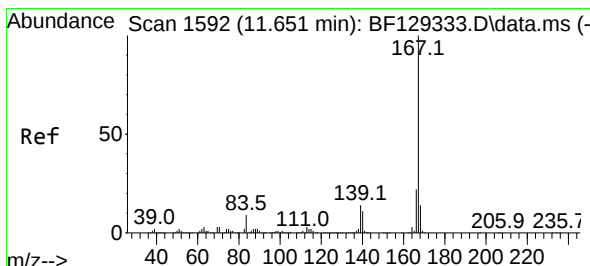
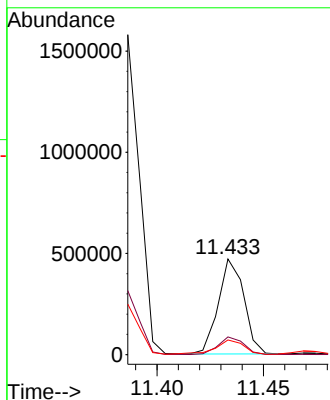
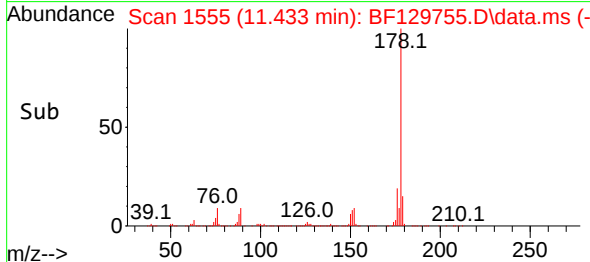
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-081022



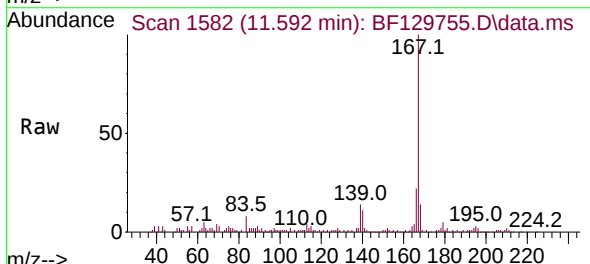
Tgt Ion:178 Resp: 393893
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.4 12.6 19.0

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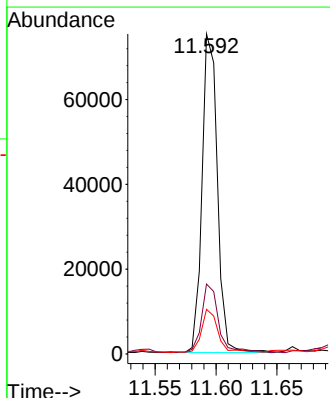
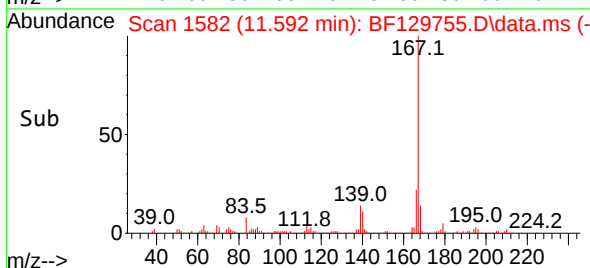
Reviewed By :Jagrut Upadhyay 08/15/2022
 Supervised By :Sohil Jodhani 08/16/2022

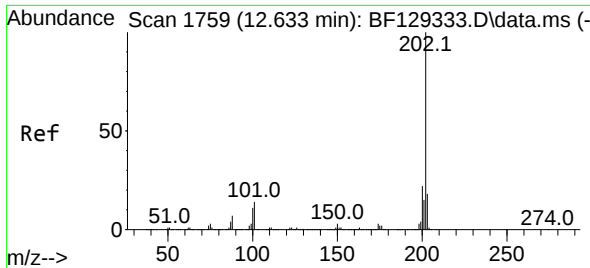


#73
 Carbazole
 Concen: 4.601 ng
 RT: 11.592 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF129755.D
 Acq: 12 Aug 2022 21:02



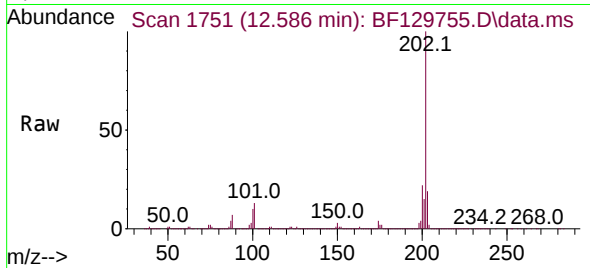
Tgt Ion:167 Resp: 65877
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.7 26.5
 139 13.9 11.2 16.8





#75
Fluoranthene
Concen: 175.808 ng
RT: 12.586 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

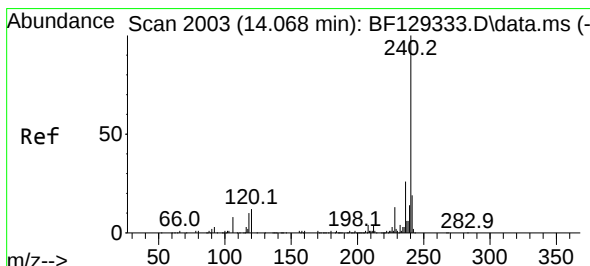
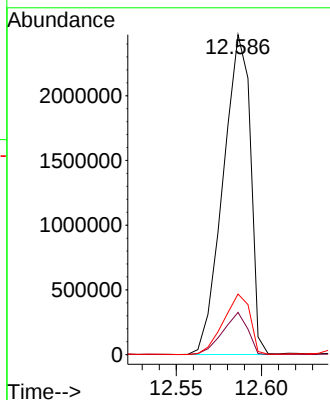
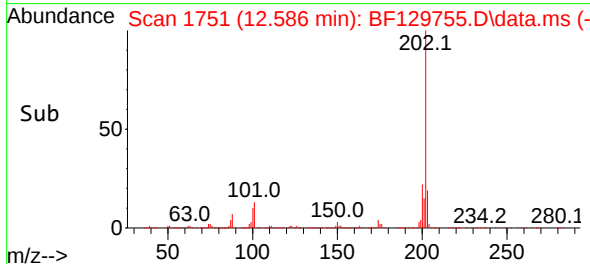
Instrument :
BNA_F
ClientSampleId :
CL-01-081022



Tgt Ion:202 Resp: 2756938
Ion Ratio Lower Upper
202 100
101 13.2 0.0 31.4
203 18.9 0.0 38.0

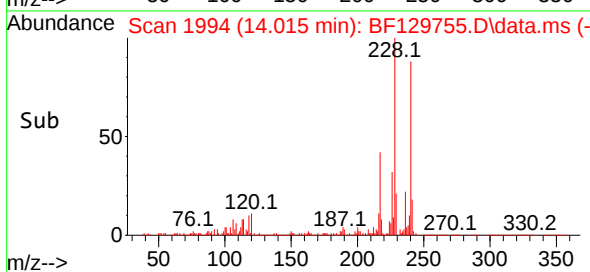
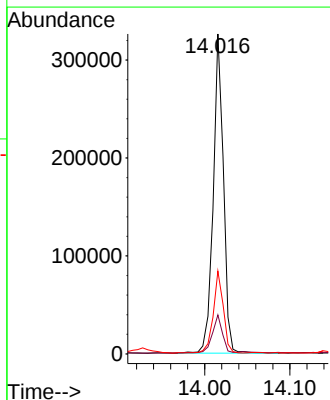
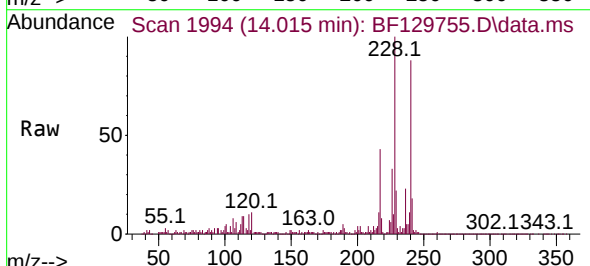
Manual Integrations
APPROVED

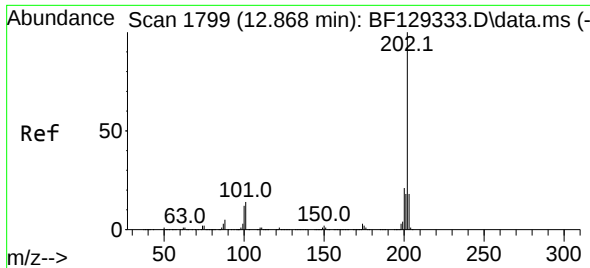
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

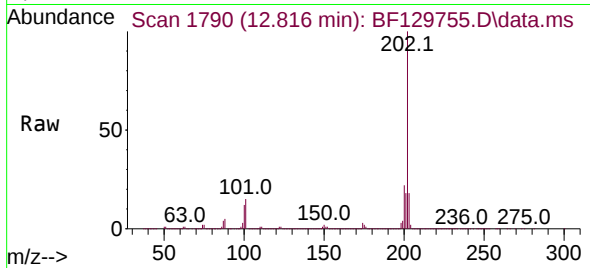
Tgt Ion:240 Resp: 270723
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 25.9 20.8 31.2





#78
Pyrene
Concen: 102.714 ng
RT: 12.816 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

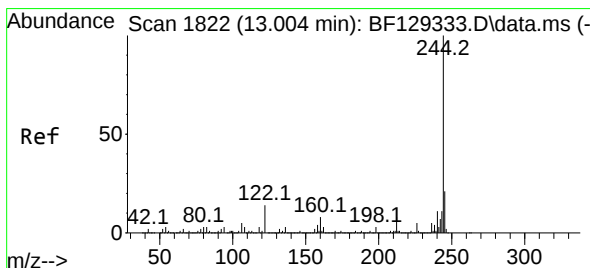
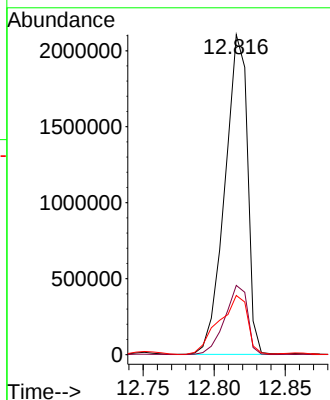
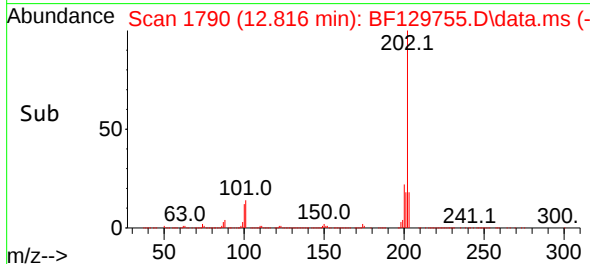
Instrument :
BNA_F
ClientSampleId :
CL-01-081022



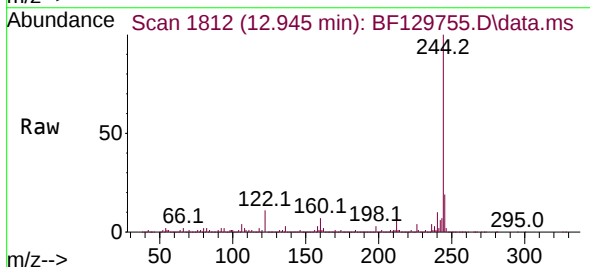
Tgt Ion:202 Resp: 2325295
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 18.5 14.6 21.8

Manual Integrations
APPROVED

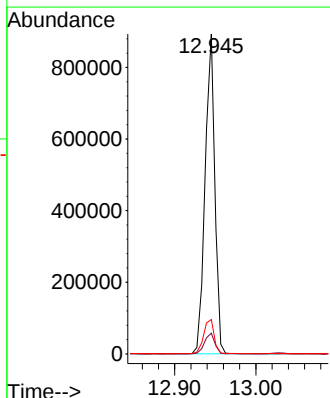
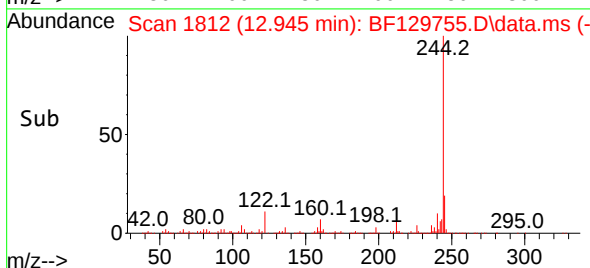
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022

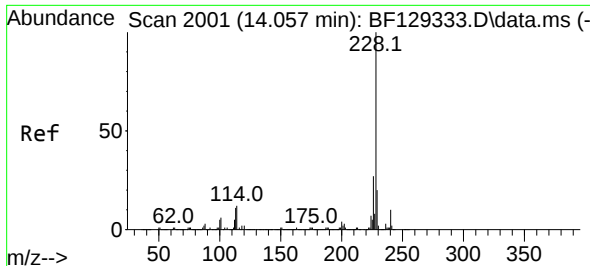


#79
Terphenyl-d14
Concen: 51.958 ng
RT: 12.945 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02



Tgt Ion:244 Resp: 745597
Ion Ratio Lower Upper
244 100
212 6.5 6.1 9.1
122 10.7 8.8 13.2





#81
Benzo(a)anthracene
Concen: 70.385 ng
RT: 14.004 min Scan# 1992
Delta R.T. 0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Instrument :

BNF_F

ClientSampleId :

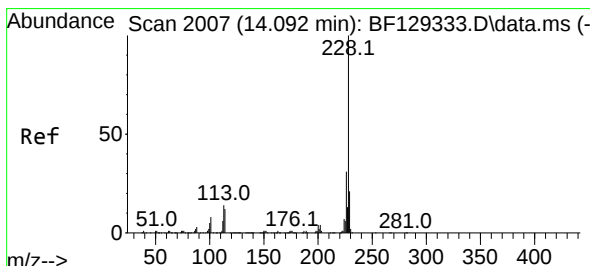
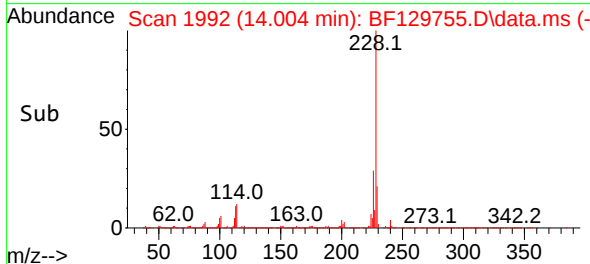
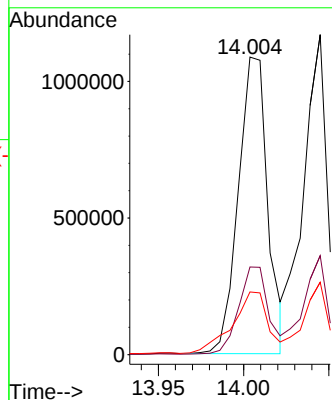
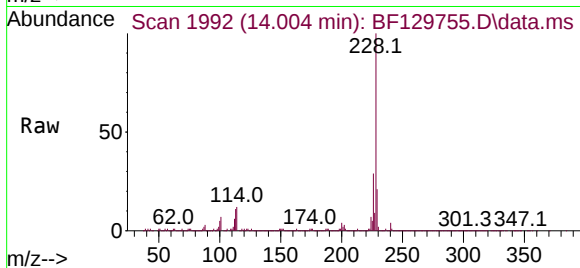
CL-01-081022

Tgt Ion:228 Resp: 1301635
Ion Ratio Lower Upper
228 100
226 29.5 22.1 33.1
229 21.1 15.8 23.8

Manual Integrations

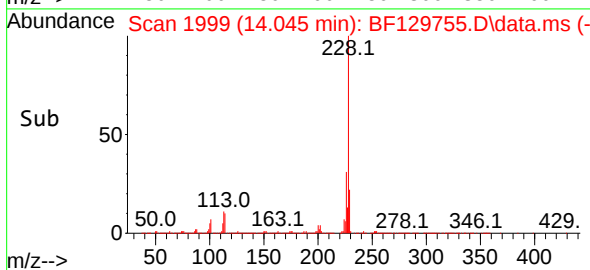
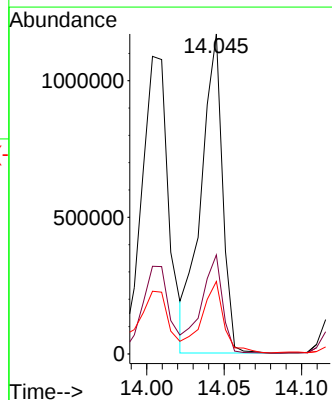
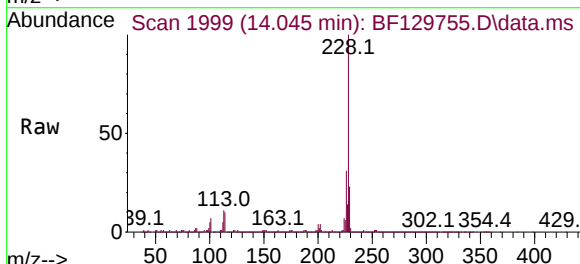
APPROVED

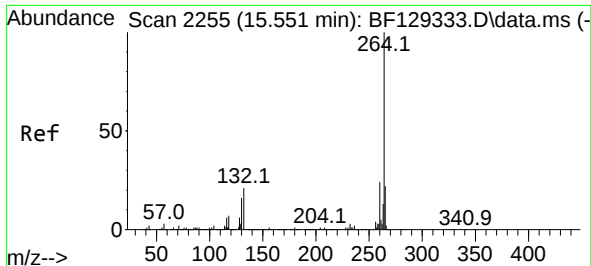
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#83
Chrysene
Concen: 64.867 ng
RT: 14.045 min Scan# 1999
Delta R.T. 0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion:228 Resp: 1130567
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 22.6 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Instrument :

BNA_F

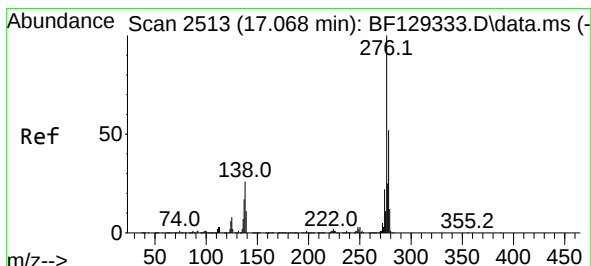
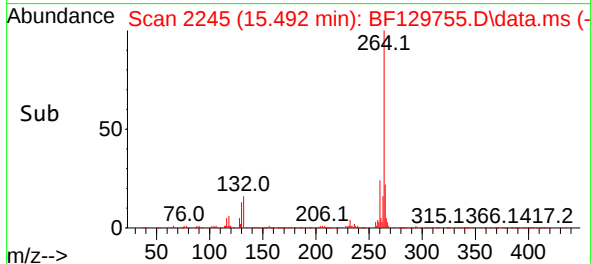
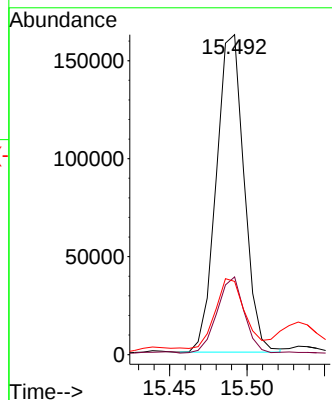
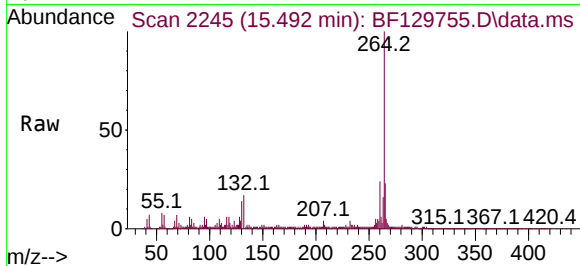
ClientSampleId :

CL-01-081022

Tgt Ion:264 Resp: 202989
Ion Ratio Lower Upper
264 100
260 24.3 18.4 27.6
265 22.9 17.2 25.8

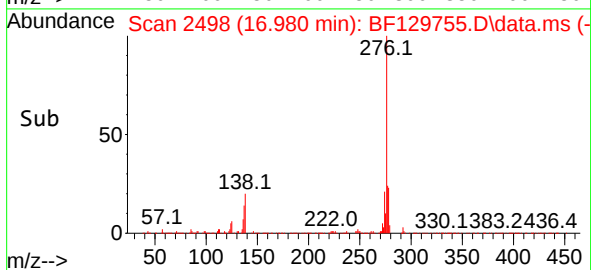
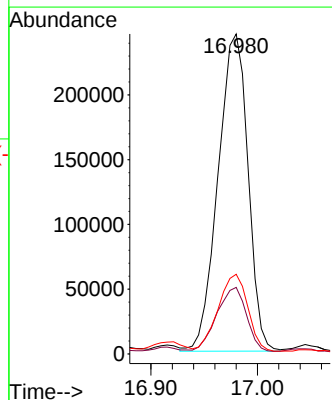
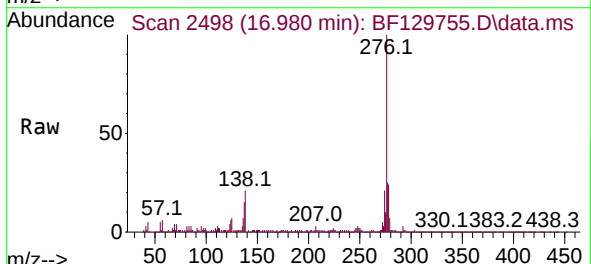
Manual Integrations
APPROVED

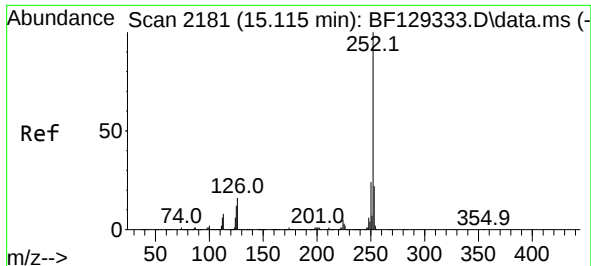
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 35.017 ng
RT: 16.980 min Scan# 2498
Delta R.T. 0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion:276 Resp: 478670
Ion Ratio Lower Upper
276 100
138 20.3 21.1 31.7#
277 23.9 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 96.678 ng m
RT: 15.063 min Scan# 2175
Delta R.T. 0.012 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Instrument :

BNA_F

ClientSampleId :

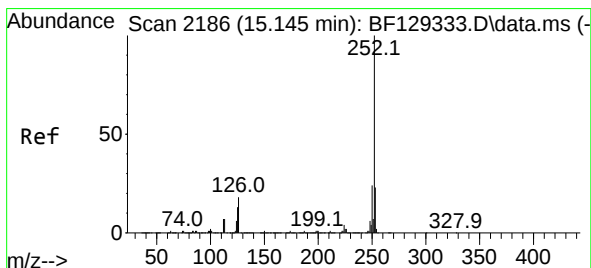
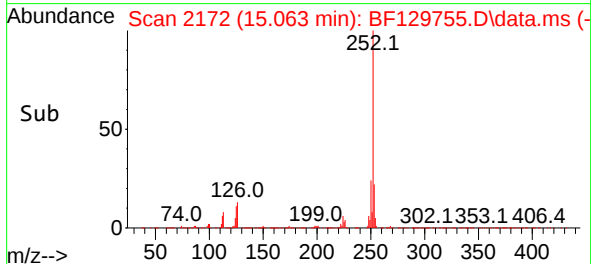
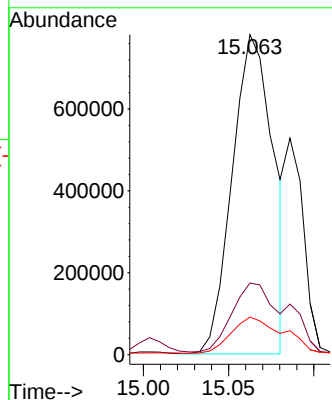
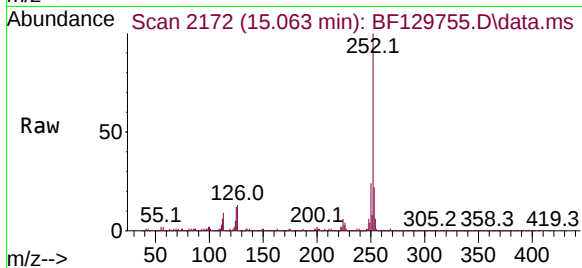
CL-01-081022

Tgt Ion:252 Resp: 1301759
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 11.7 8.0 12.0

Manual Integrations

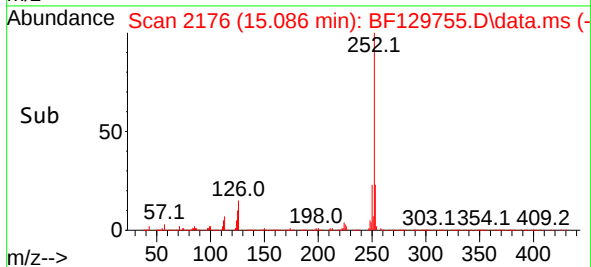
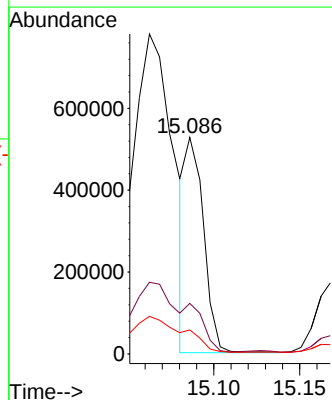
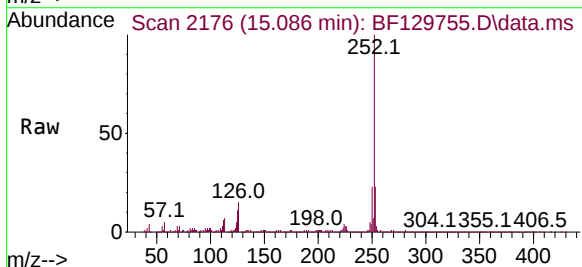
APPROVED

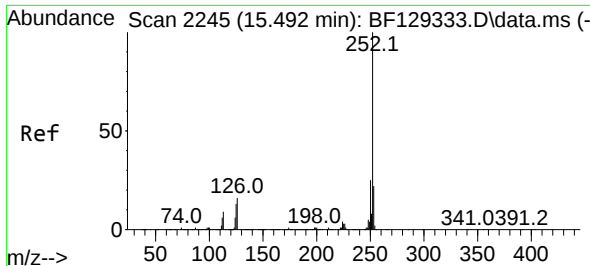
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#89
Benzo(k)fluoranthene
Concen: 29.311 ng m
RT: 15.086 min Scan# 2176
Delta R.T. 0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion:252 Resp: 386764
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 11.1 8.3 12.5





#90
Benzo(a)pyrene
Concen: 70.924 ng
RT: 15.433 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Instrument :

BNA_F

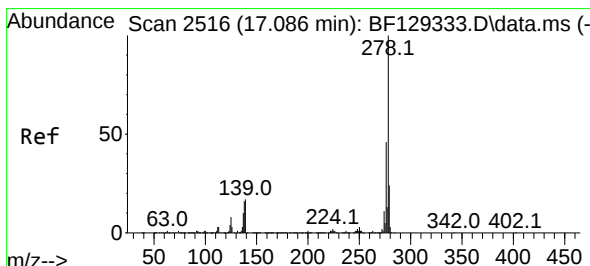
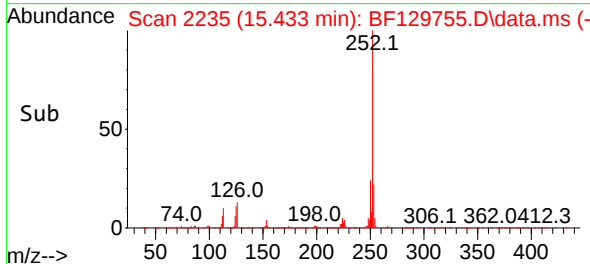
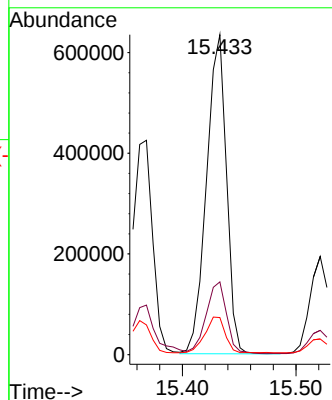
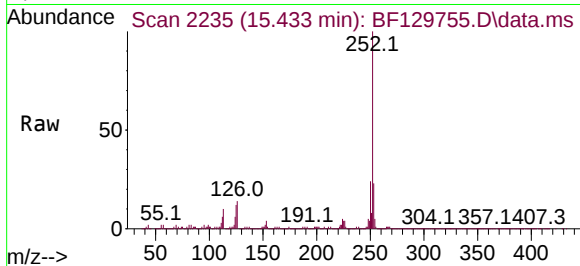
ClientSampleId :

CL-01-081022

Tgt Ion:252 Resp: 775236
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 11.6 8.8 13.2

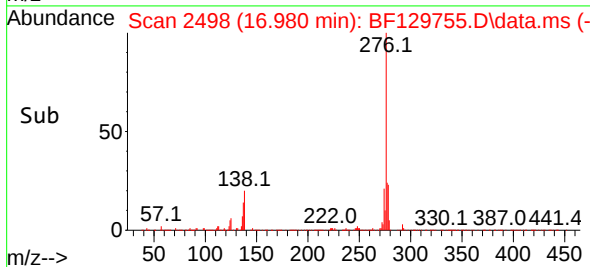
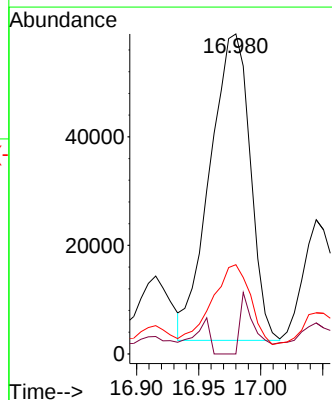
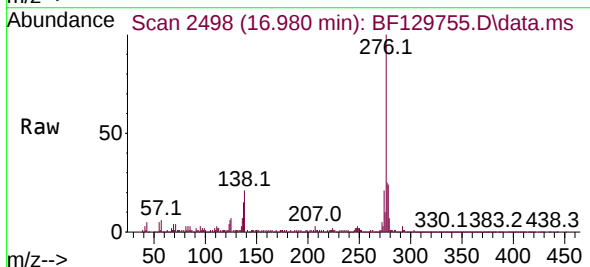
Manual Integrations
APPROVED

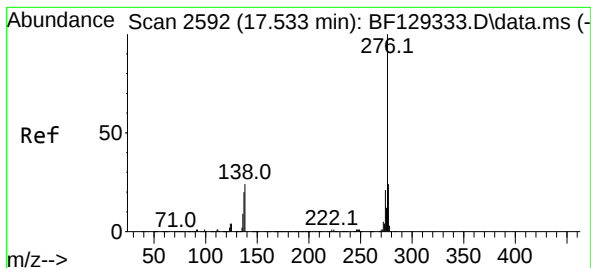
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#91
Dibenzo(a,h)anthracene
Concen: 11.433 ng m
RT: 16.980 min Scan# 2498
Delta R.T. -0.000 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion:278 Resp: 127195
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2#
279 27.9 18.6 28.0





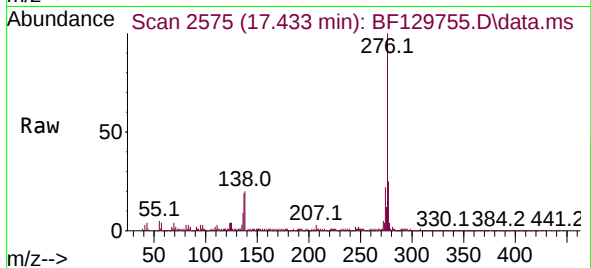
#92
 Benzo(g,h,i)perylene
 Concen: 38.090 ng
 RT: 17.433 min Scan# 2575
 Delta R.T. 0.012 min
 Lab File: BF129755.D
 Acq: 12 Aug 2022 21:02

Instrument :

BNA_F

ClientSampleId :

CL-01-081022



Tgt Ion: 276 Resp: 433026
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.1 28.7
 138 19.8 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2022
 Supervised By :Sohil Jodhani 08/16/2022

