

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
 Data File : BF129522.D
 Acq On : 02 Aug 2022 23:14
 Operator : CG\JU
 Sample : N3979-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-072922

Quant Time: Aug 03 01:48:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/03/2022
 Supervised By : Jagrut Upadhyay 08/03/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	146607	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	542309	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	234525	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	351817	20.000	ng	0.00
76) Chrysene-d12	14.057	240	245581	20.000	ng	0.00
86) Perylene-d12	15.545	264	183531	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	845653	93.963	ng	0.00
7) Phenol-d6	6.522	99	1033531	91.364	ng	0.00
23) Nitrobenzene-d5	7.440	82	631657	63.582	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	182627	80.995	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1022296	67.432	ng	0.00
79) Terphenyl-d14	13.010	244	874829	67.205	ng	0.02
Target Compounds						Qvalue
49) Acenaphthylene	9.775	152	88032	4.187	ng	99
58) Fluorene	10.463	166	35324	2.332	ng	94
71) Phenanthrene	11.427	178	388067	20.207	ng	99
72) Anthracene	11.480	178	90655	4.804	ng	99
75) Fluoranthene	12.633	202	642963	33.042	ng	99
78) Pyrene	12.869	202	727766	35.438	ng	98
81) Benzo(a)anthracene	14.045	228	312241	18.613	ng	94
83) Chrysene	14.080	228	309840	19.597	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	132454	10.717	ng	95
88) Benzo(b)fluoranthene	15.104	252	311920m	25.621	ng	
89) Benzo(k)fluoranthene	15.127	252	103136m	8.645	ng	
90) Benzo(a)pyrene	15.480	252	224564	22.723	ng	97
91) Dibenzo(a,h)anthracene	17.057	278	35390	3.518	ng	# 82
92) Benzo(g,h,i)perylene	17.504	276	140236	13.643	ng	99

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

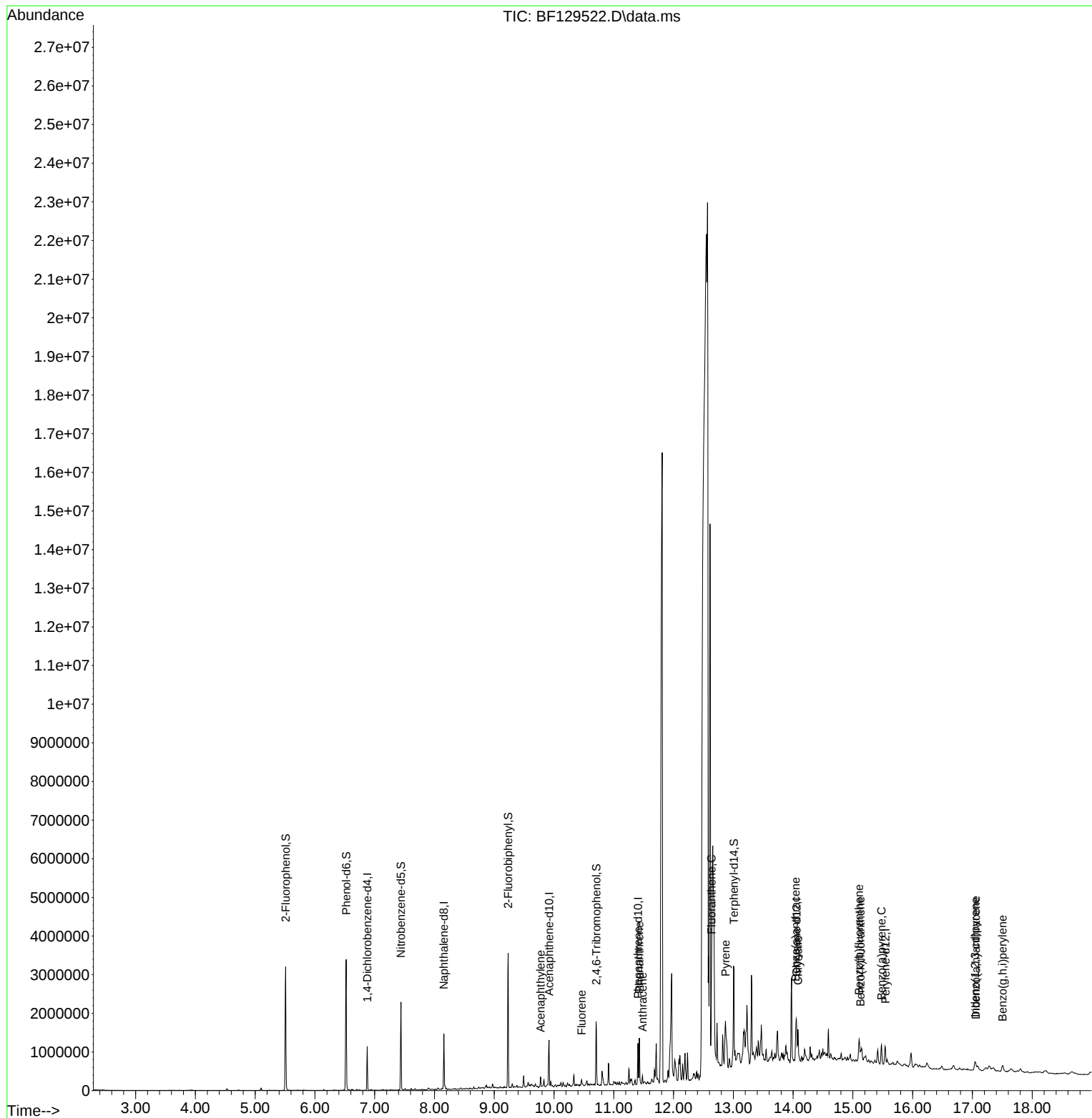
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
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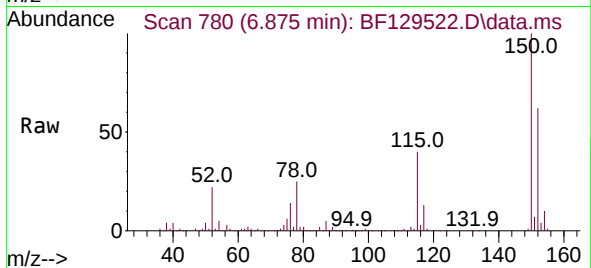
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

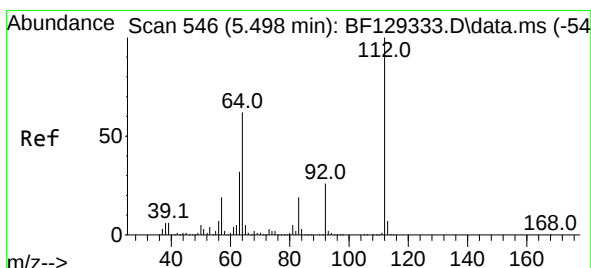
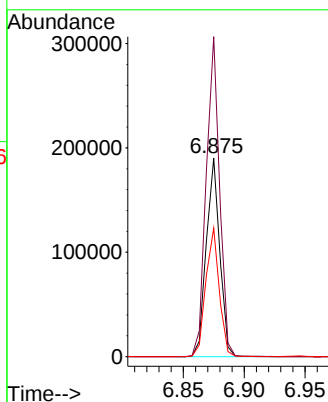
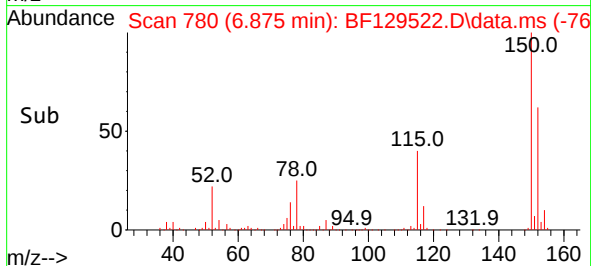
Instrument :
BNA_F
ClientSampleId :
TR-06-072922



Tgt Ion:152 Resp: 146607
Ion Ratio Lower Upper
152 100
150 161.2 123.7 185.5
115 64.7 49.9 74.9

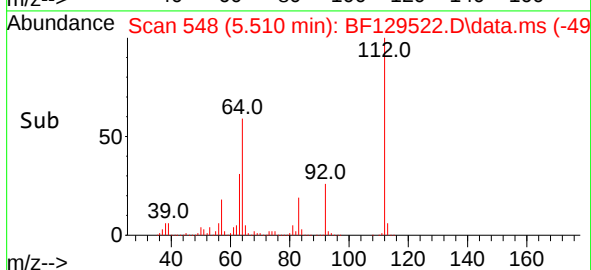
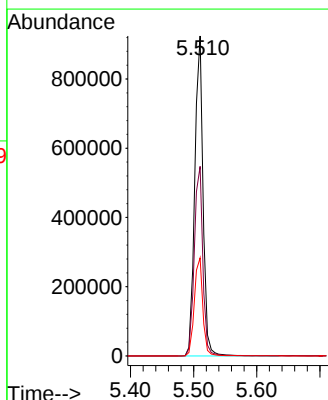
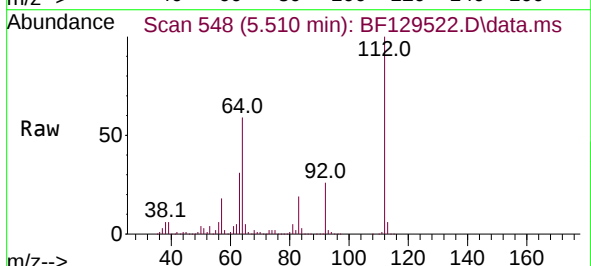
Manual Integrations
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#5
2-Fluorophenol
Concen: 93.963 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.006 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

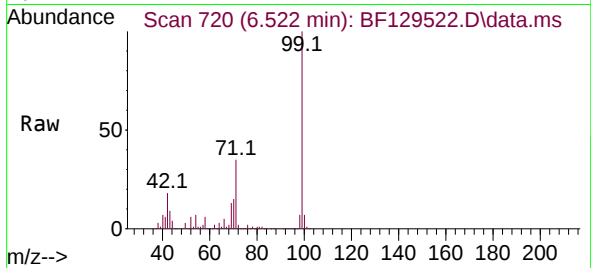
Tgt Ion:112 Resp: 845653
Ion Ratio Lower Upper
112 100
64 59.2 53.3 79.9
63 30.6 28.0 42.0





#7
Phenol-d6
Concen: 91.364 ng
RT: 6.522 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

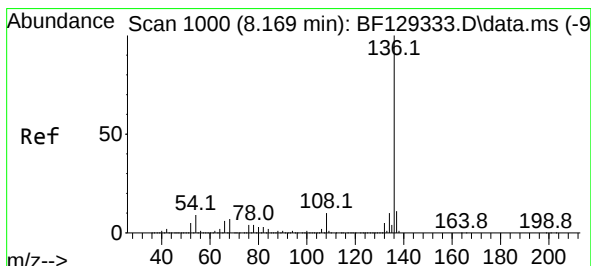
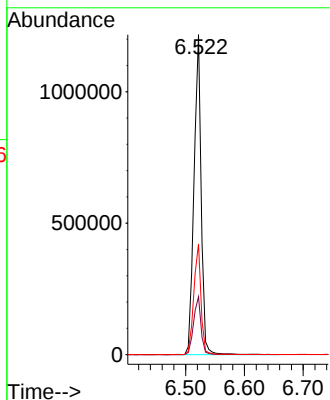
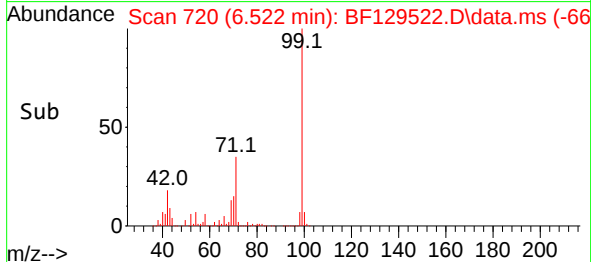
Instrument :
BNA_F
ClientSampleId :
TR-06-072922



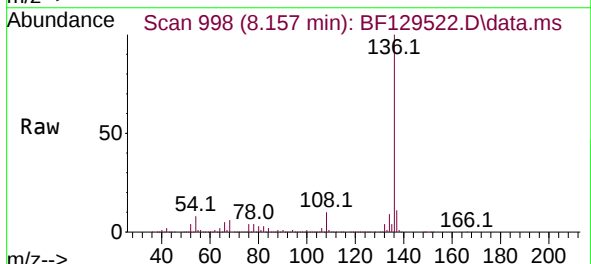
Tgt Ion: 99 Resp: 103353
Ion Ratio Lower Upper
99 100
42 18.1 17.3 25.9
71 34.6 28.9 43.3

Manual Integrations
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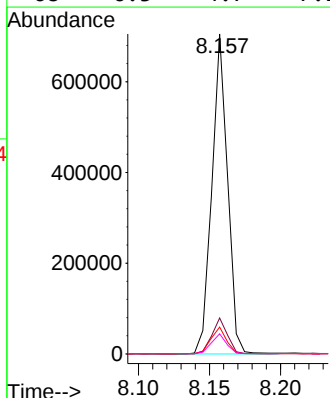
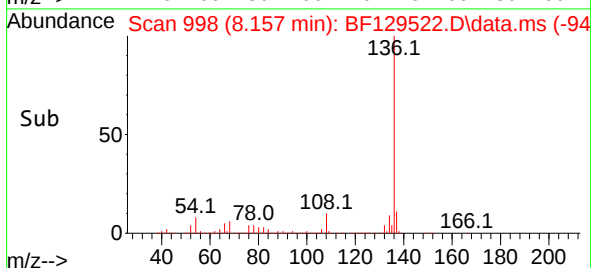
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022

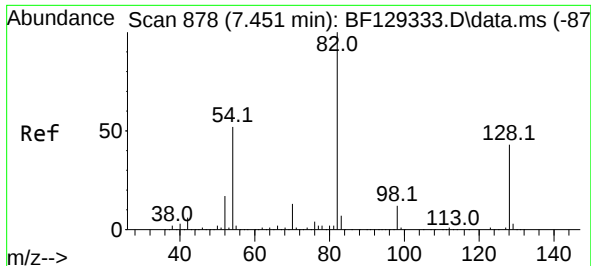


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14



Tgt Ion:136 Resp: 542309
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.4 7.5 11.3
68 6.3 4.7 7.1





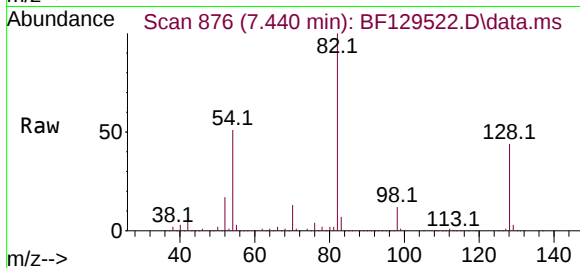
#23
Nitrobenzene-d5
Concen: 63.582 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

Instrument :

BNA_F

ClientSampleId :

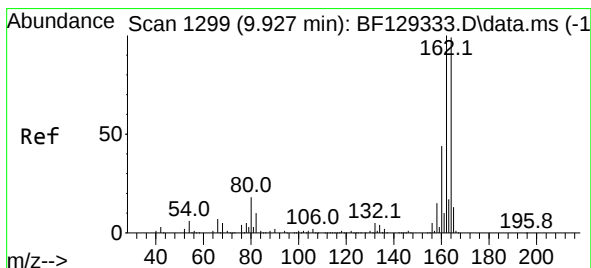
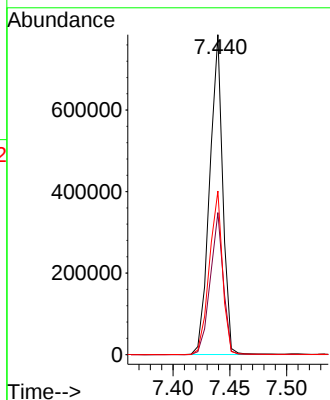
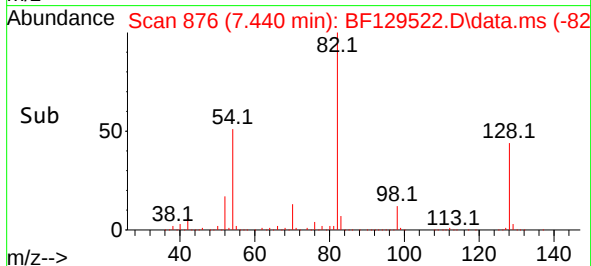
TR-06-072922



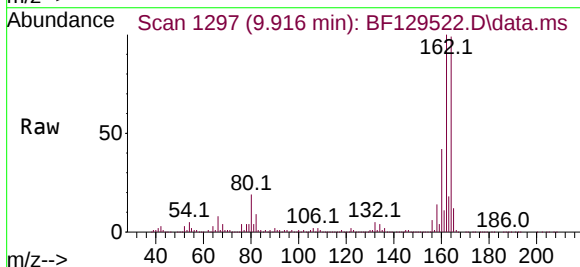
Tgt Ion: 82 Resp: 631652
Ion Ratio Lower Upper
82 100
128 44.4 34.0 51.0
54 51.1 46.9 70.3

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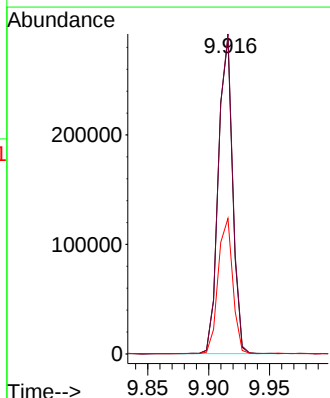
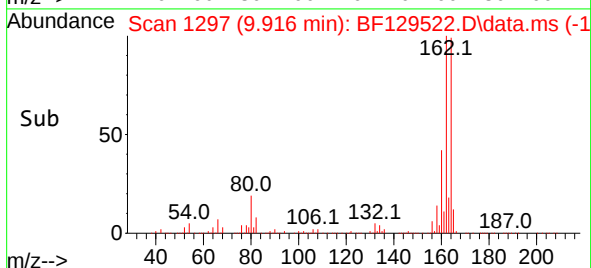
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14



Tgt Ion:164 Resp: 234525
Ion Ratio Lower Upper
164 100
162 101.4 79.5 119.3
160 43.0 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 80.995 ng
RT: 10.710 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

Instrument :

BNA_F

ClientSampleId :

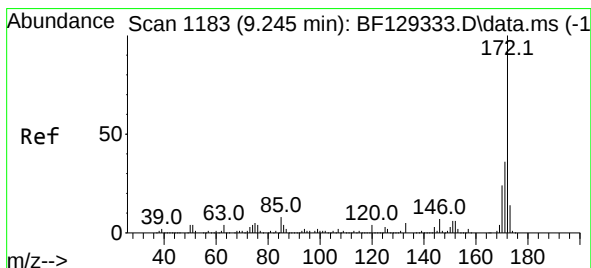
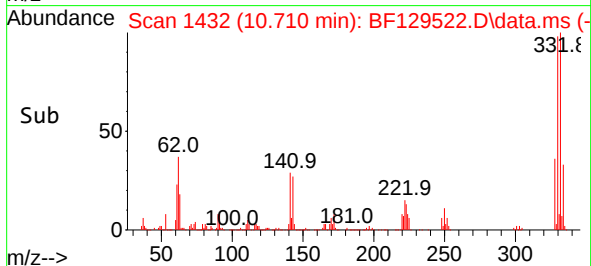
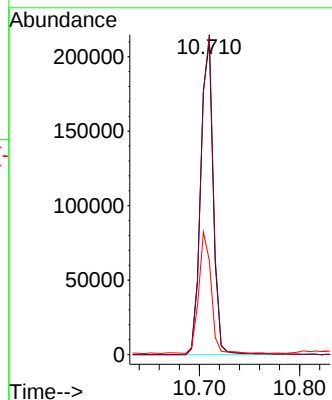
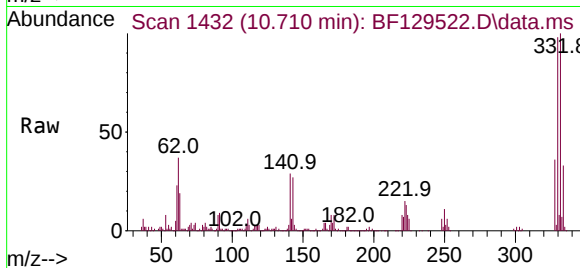
TR-06-072922

Tgt Ion: 330 Resp: 182627
Ion Ratio Lower Upper
330 100
332 101.1 76.8 115.2
141 38.0 28.0 42.0

Manual Integrations

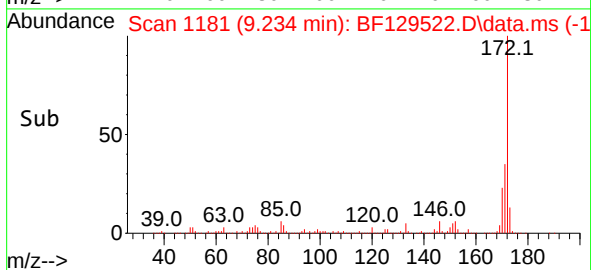
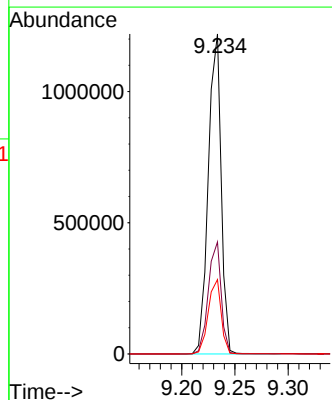
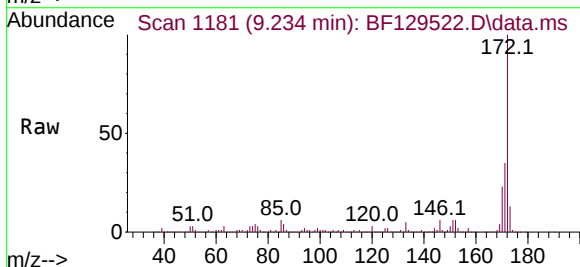
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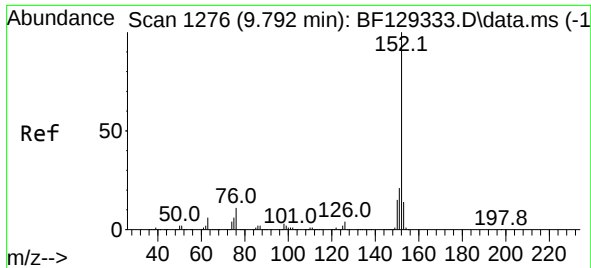
Reviewed By : Christian Giraldo 08/03/2022
Supervised By : Jagrut Upadhyay 08/03/2022



#45
2-Fluorobiphenyl
Concen: 67.432 ng
RT: 9.234 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

Tgt Ion: 172 Resp: 1022296
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.2 19.8 29.8





#49
Acenaphthylene
Concen: 4.187 ng
RT: 9.775 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

Instrument :

BNA_F

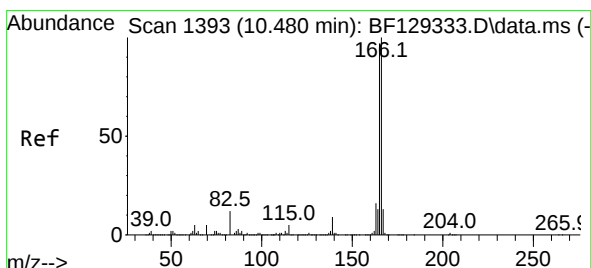
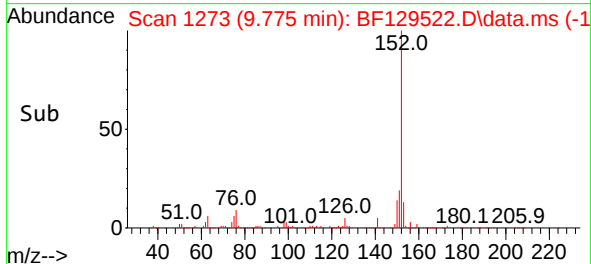
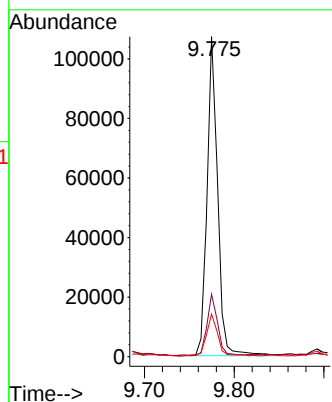
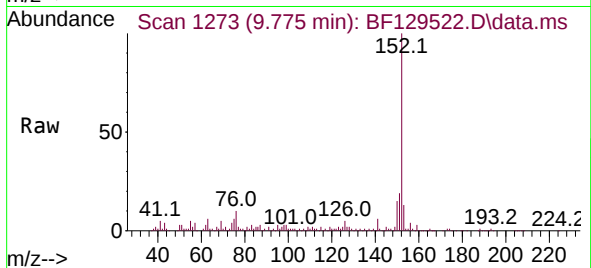
ClientSampleId :

TR-06-072922

Tgt Ion:152 Resp: 88032
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.4
153 13.3 10.7 16.1

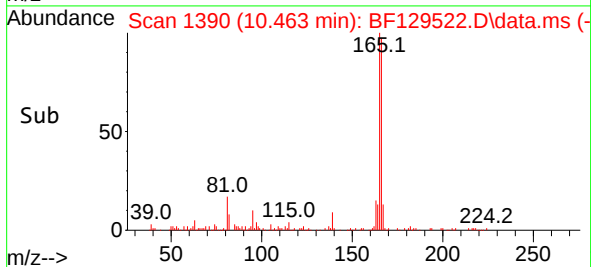
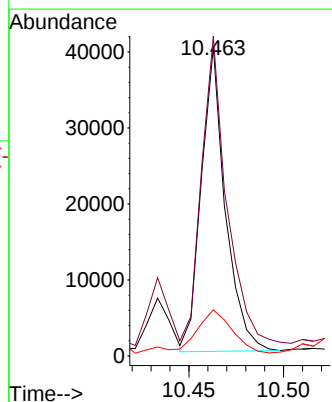
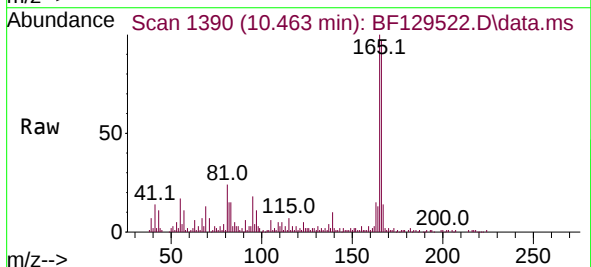
Manual Integrations
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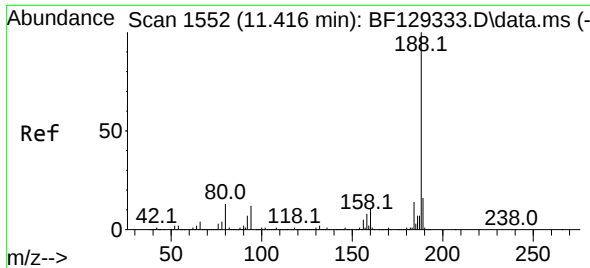
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#58
Fluorene
Concen: 2.332 ng
RT: 10.463 min Scan# 1390
Delta R.T. -0.006 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

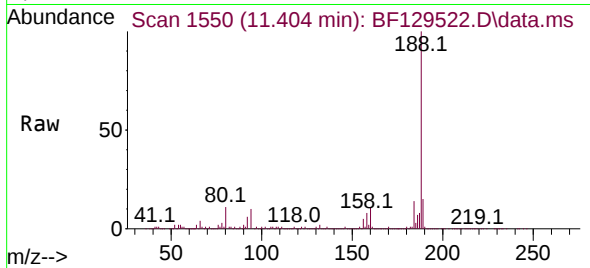
Tgt Ion:166 Resp: 35324
Ion Ratio Lower Upper
166 100
165 103.6 78.1 117.1
167 14.9 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

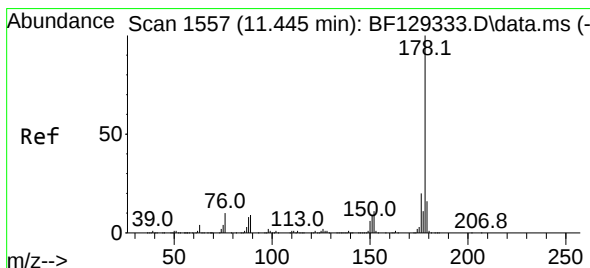
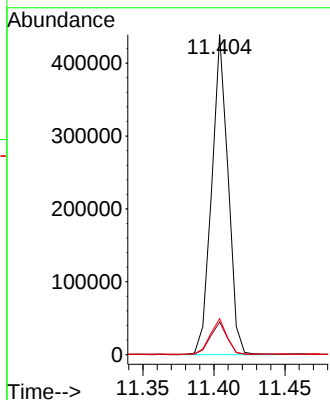
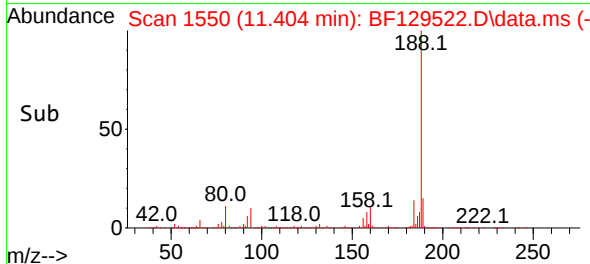
Instrument :
BNA_F
ClientSampleId :
TR-06-072922



Tgt Ion:188 Resp: 351817
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.6
80 11.3 7.6 11.4

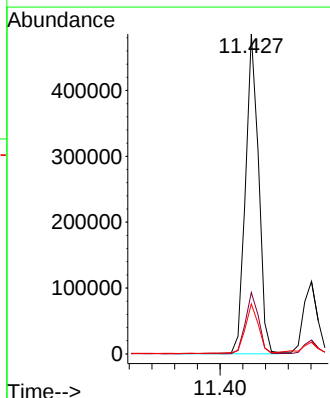
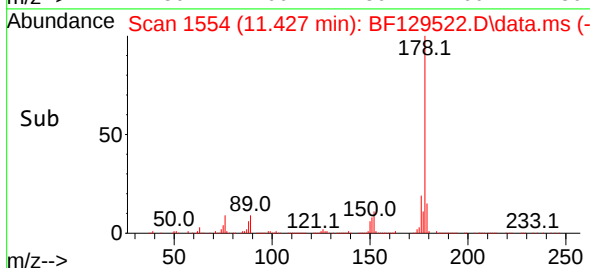
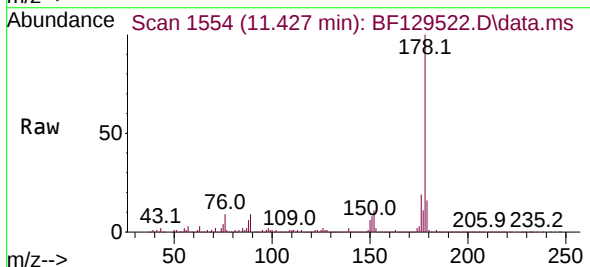
Manual Integrations
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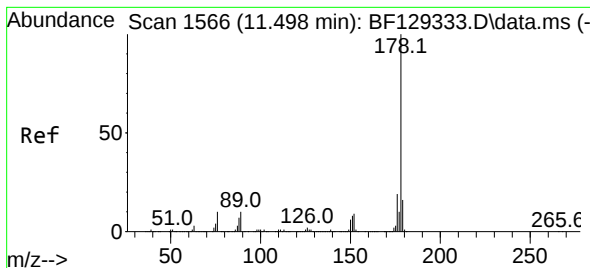
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#71
Phenanthrene
Concen: 20.207 ng
RT: 11.427 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

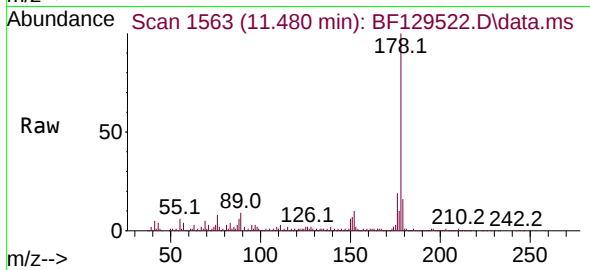
Tgt Ion:178 Resp: 388067
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.6 12.6 19.0





#72
 Anthracene
 Concen: 4.804 ng
 RT: 11.480 min Scan# 1566
 Delta R.T. -0.000 min
 Lab File: BF129522.D
 Acq: 02 Aug 2022 23:14

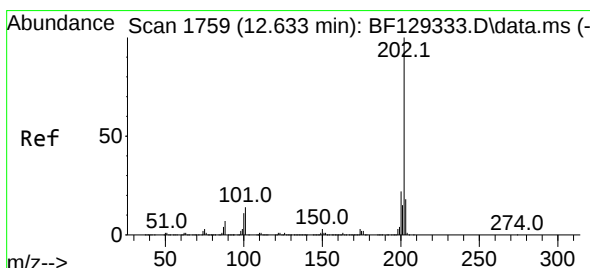
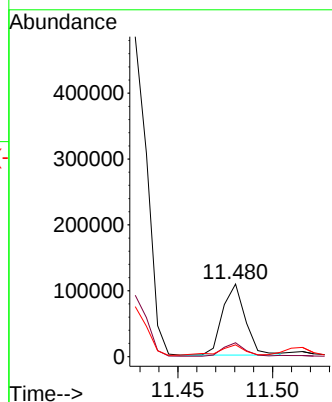
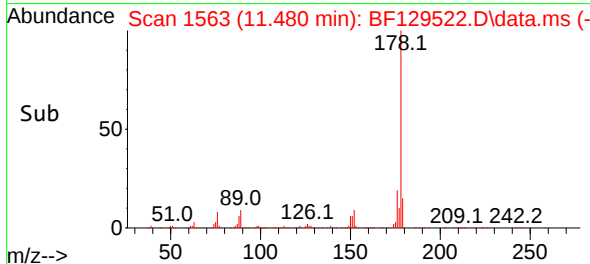
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-072922



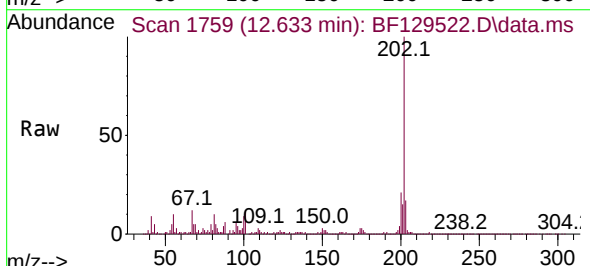
Tgt Ion:178 Resp: 90655
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 16.3 12.6 19.0

Manual Integrations
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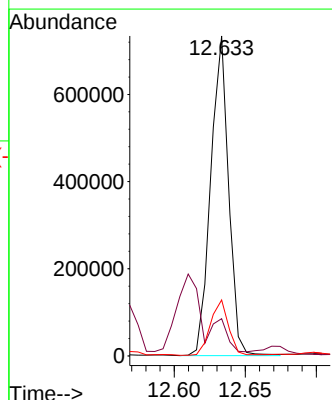
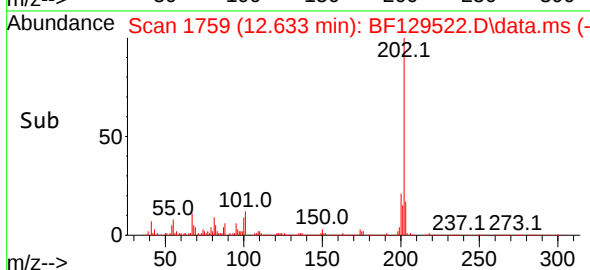
Reviewed By :Christian Giraldo 08/03/2022
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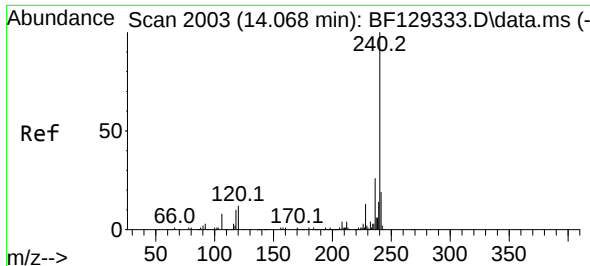


#75
 Fluoranthene
 Concen: 33.042 ng
 RT: 12.633 min Scan# 1759
 Delta R.T. 0.012 min
 Lab File: BF129522.D
 Acq: 02 Aug 2022 23:14



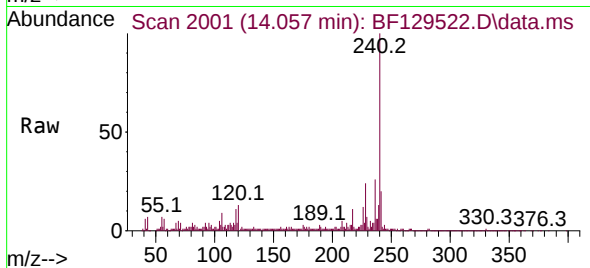
Tgt Ion:202 Resp: 642963
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 31.4
 203 17.5 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2003
Delta R.T. 0.006 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

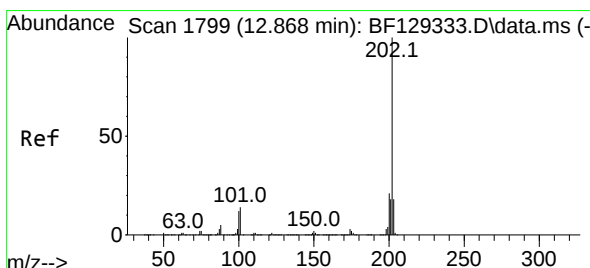
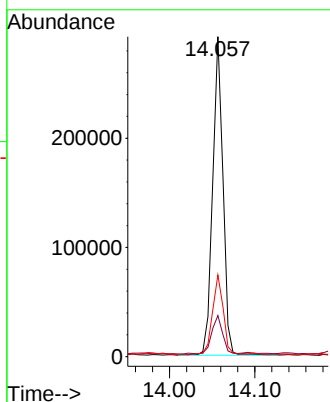
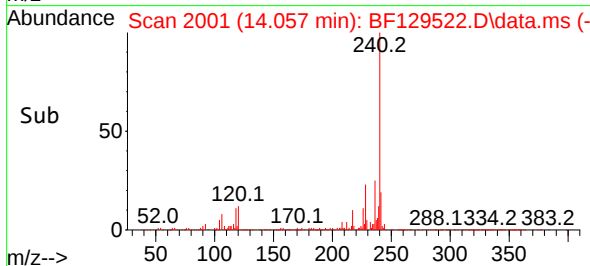
Instrument :
BNA_F
ClientSampleId :
TR-06-072922



Tgt Ion:240 Resp: 245581
Ion Ratio Lower Upper
240 100
120 12.8 8.9 13.3
236 25.5 20.8 31.2

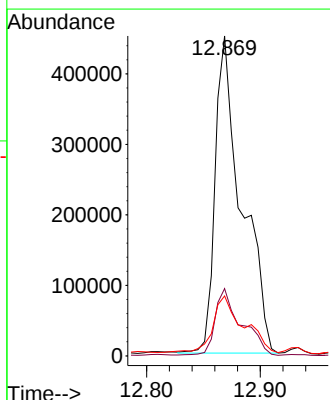
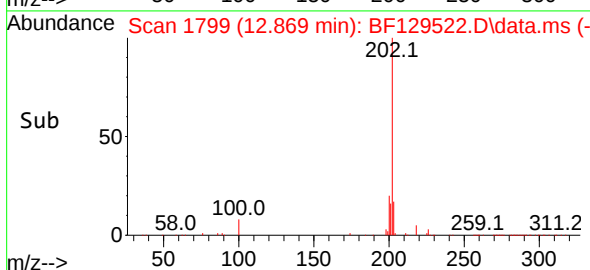
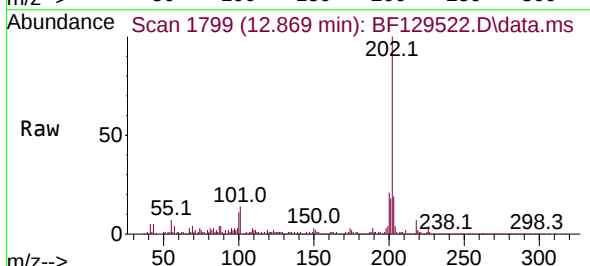
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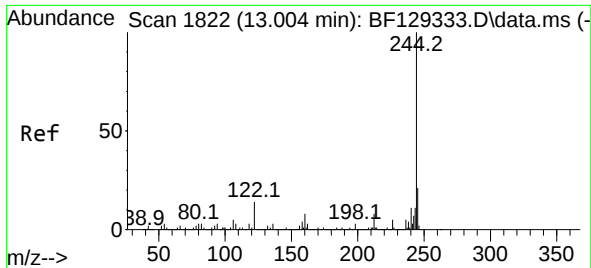
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#78
Pyrene
Concen: 35.438 ng
RT: 12.869 min Scan# 1799
Delta R.T. 0.018 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

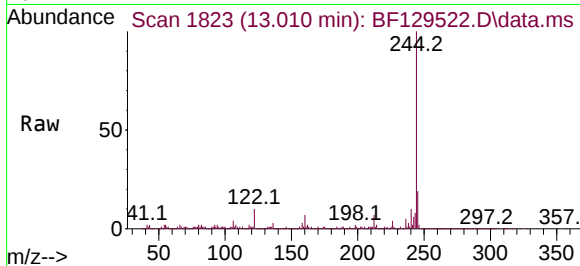
Tgt Ion:202 Resp: 727766
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 18.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 67.205 ng
 RT: 13.010 min Scan# 1822
 Delta R.T. 0.024 min
 Lab File: BF129522.D
 Acq: 02 Aug 2022 23:14

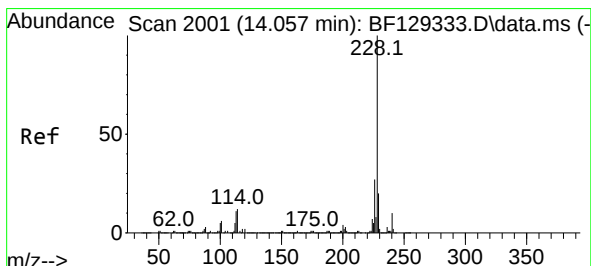
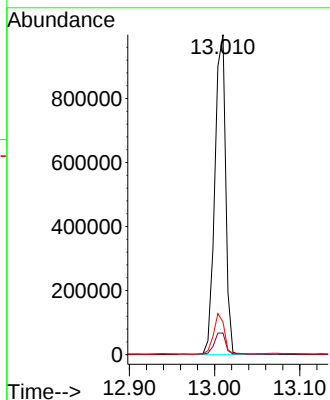
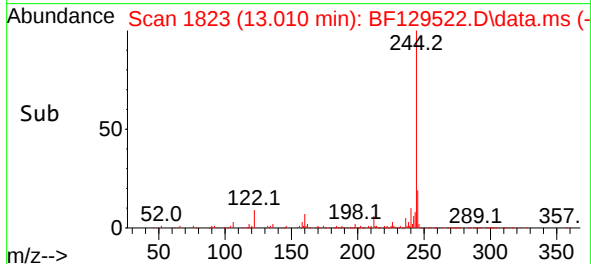
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-072922



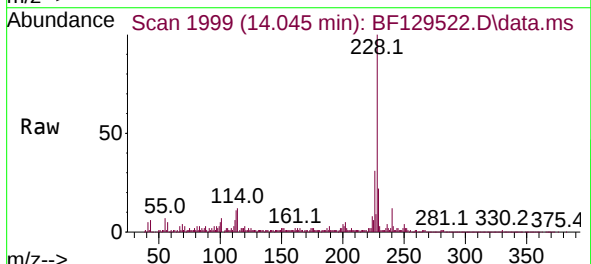
Tgt Ion:244 Resp: 874829
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.1 9.1
 122 10.2 8.8 13.2

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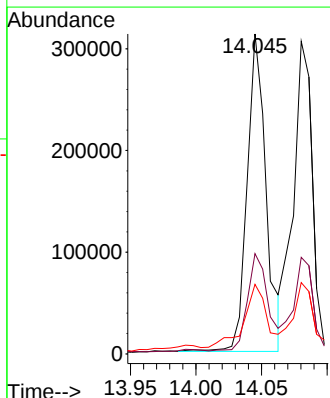
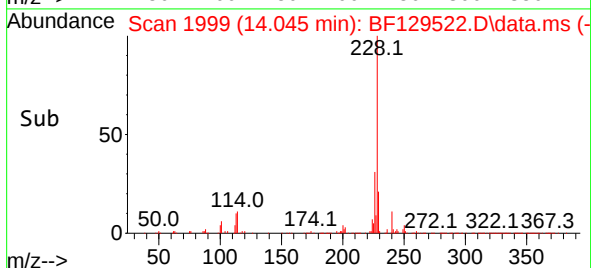
Reviewed By :Christian Giraldo 08/03/2022
 Supervised By :Jagrut Upadhyay 08/03/2022

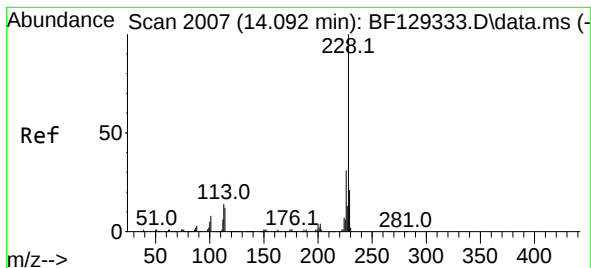


#81
 Benzo(a)anthracene
 Concen: 18.613 ng
 RT: 14.045 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: BF129522.D
 Acq: 02 Aug 2022 23:14



Tgt Ion:228 Resp: 312241
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.1 33.1
 229 21.7 15.8 23.8





#83

Chrysene

Concen: 19.597 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

Instrument :

BNA_F

ClientSampleId :

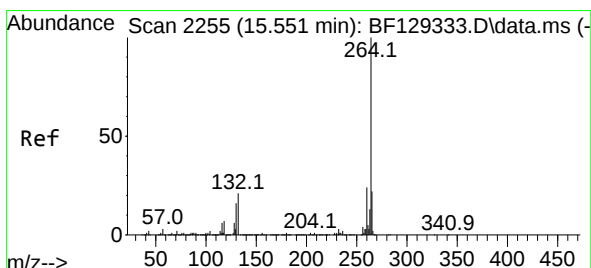
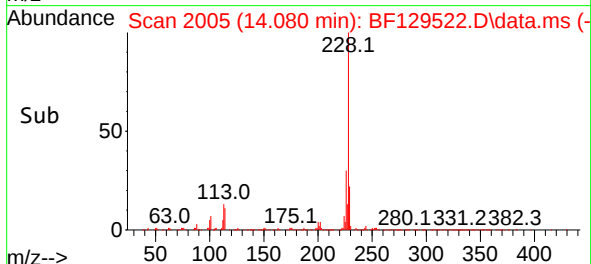
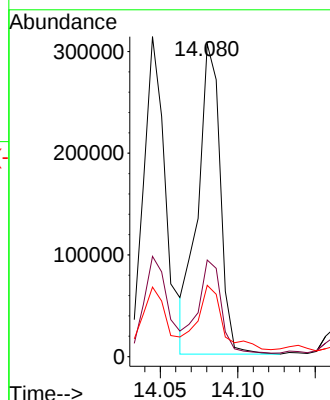
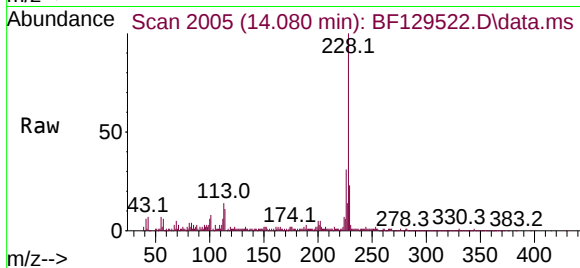
TR-06-072922

Tgt Ion:228 Resp: 309840
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.3 36.5
 229 22.8 15.9 23.9

Manual Integrations

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Reviewed By :Christian Giraldo 08/03/2022
 Supervised By :Jagrut Upadhyay 08/03/2022



#86

Perylene-d12

Concen: 20.000 ng

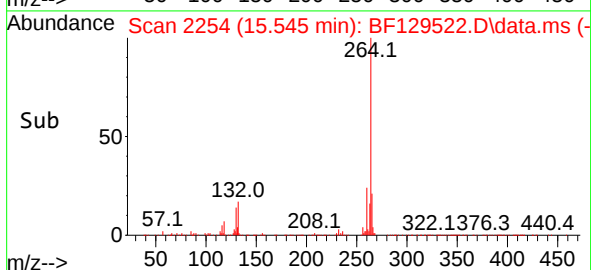
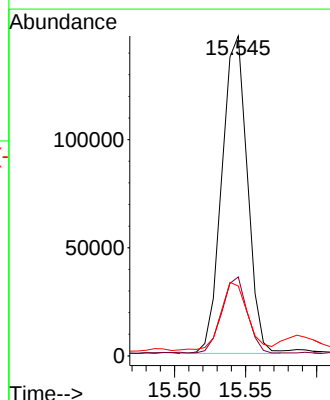
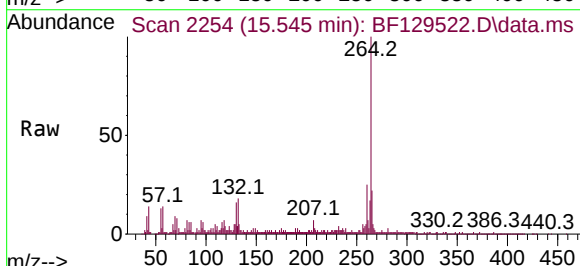
RT: 15.545 min Scan# 2254

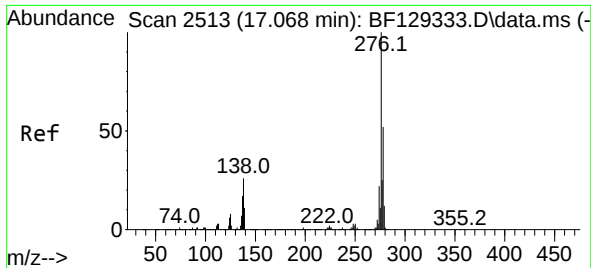
Delta R.T. 0.018 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

Tgt Ion:264 Resp: 183531
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.4 27.6
 265 21.8 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.717 ng
RT: 17.045 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

Instrument :

BNA_F

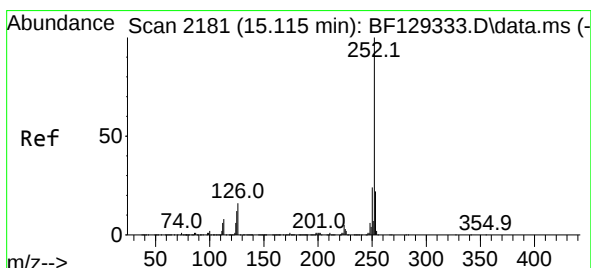
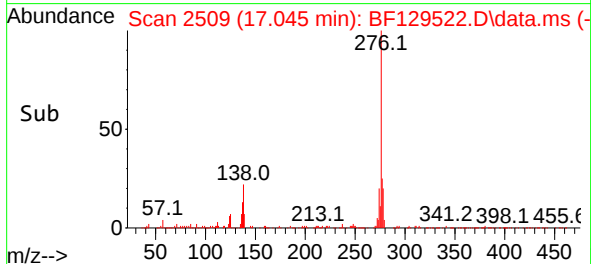
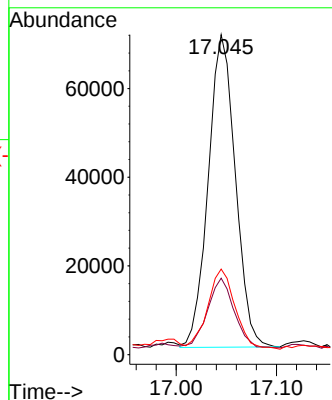
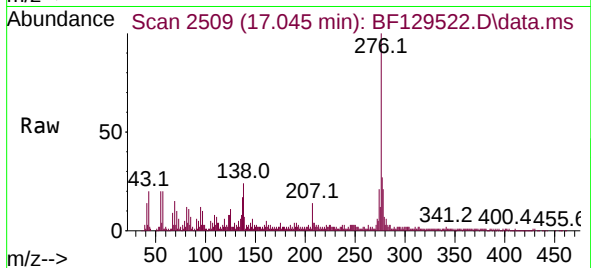
ClientSampleId :

TR-06-072922

Tgt Ion:276 Resp: 132454
Ion Ratio Lower Upper
276 100
138 22.2 21.1 31.7
277 26.1 20.3 30.5

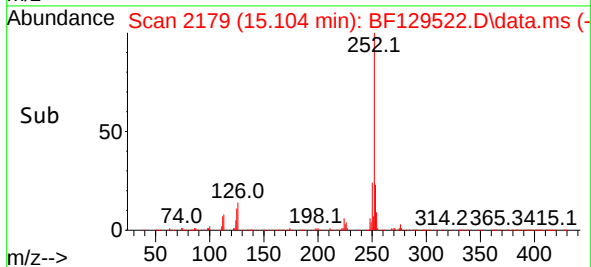
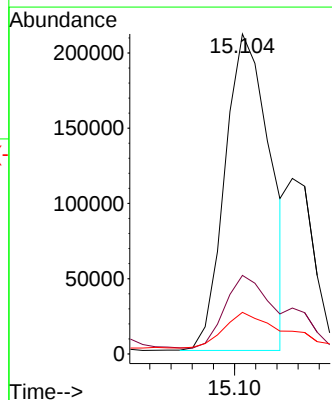
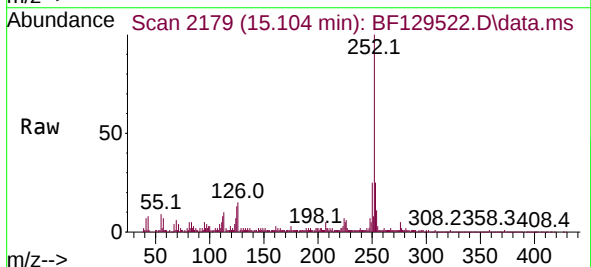
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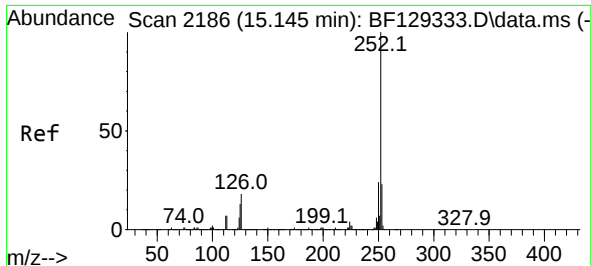
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#88
Benzo(b)fluoranthene
Concen: 25.621 ng m
RT: 15.104 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

Tgt Ion:252 Resp: 311920
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 13.0 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 8.645 ng m

RT: 15.127 min Scan# 2186

Delta R.T. 0.006 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

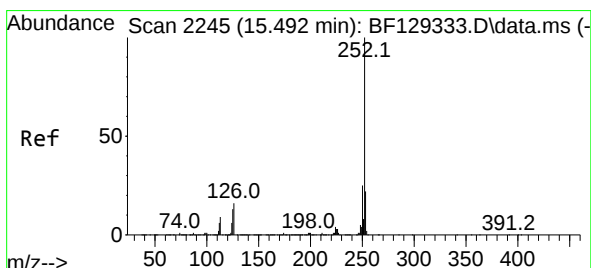
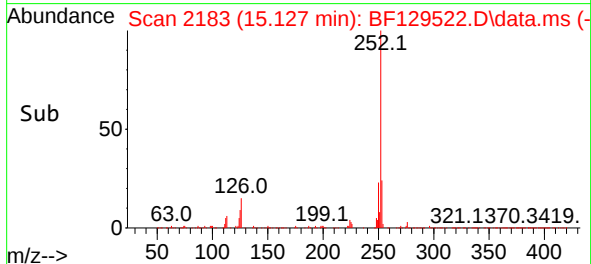
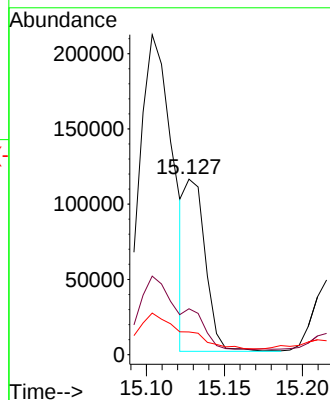
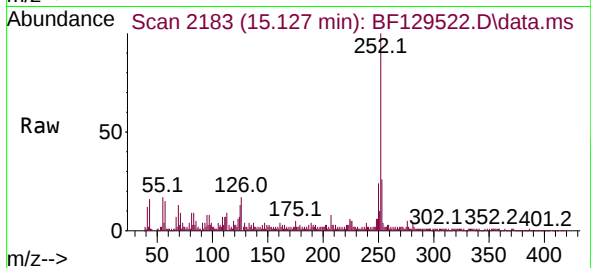
Tgt Ion:	252	Resp:	103136
Ion Ratio	Lower	Upper	
252	100		
253	26.1	17.8	26.6
125	12.9	8.3	12.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/03/2022

Supervised By :Jagrut Upadhyay 08/03/2022



#90

Benzo(a)pyrene

Concen: 22.723 ng

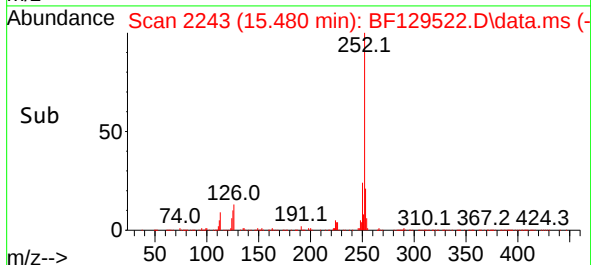
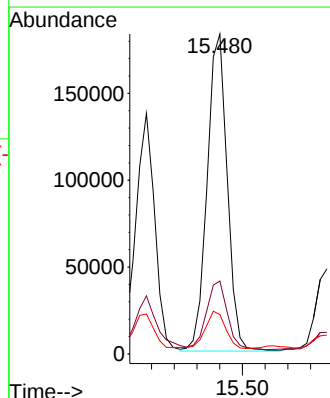
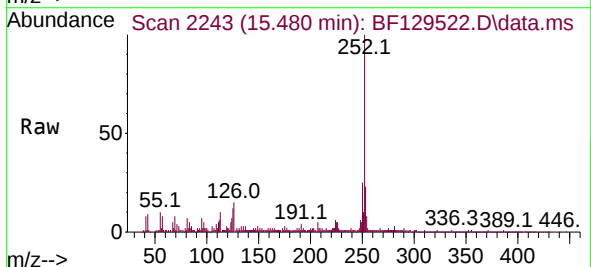
RT: 15.480 min Scan# 2243

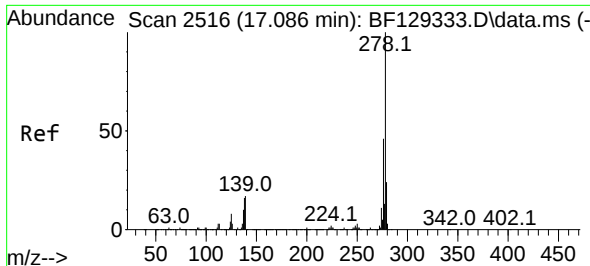
Delta R.T. 0.012 min

Lab File: BF129522.D

Acq: 02 Aug 2022 23:14

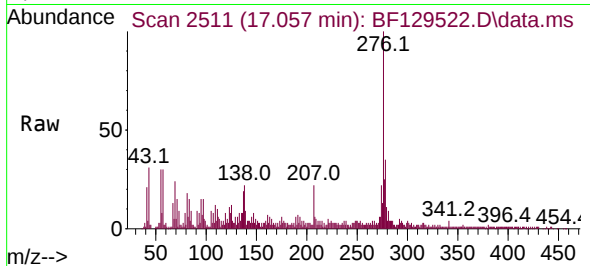
Tgt Ion:	252	Resp:	224564
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	12.3	8.8	13.2





#91
Dibenzo(a,h)anthracene
Concen: 3.518 ng
RT: 17.057 min Scan# 2516
Delta R.T. 0.012 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14

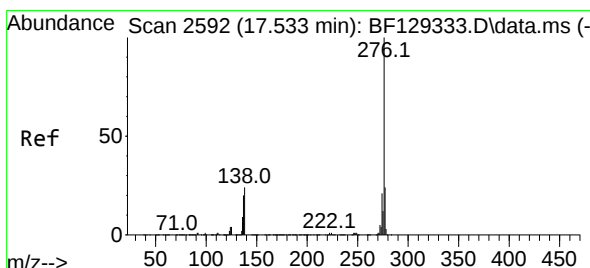
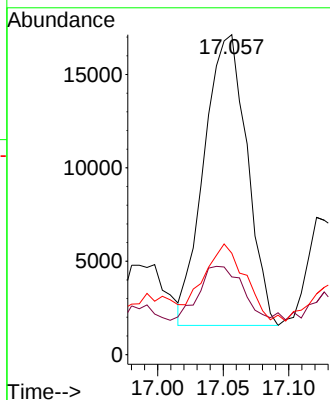
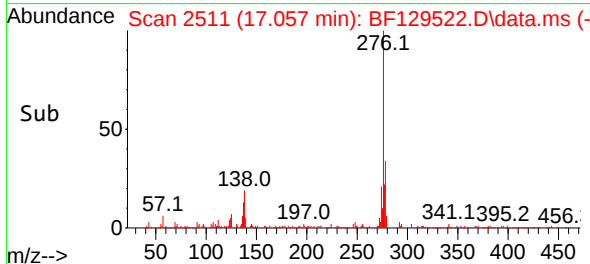
Instrument :
BNA_F
ClientSampleId :
TR-06-072922



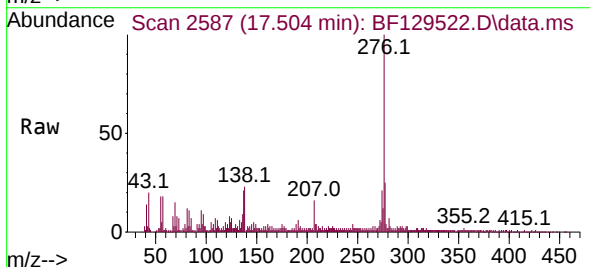
Tgt Ion:278 Resp: 35390
Ion Ratio Lower Upper
278 100
139 24.3 12.8 19.2
279 31.7 18.6 28.0

Manual Integrations
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Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#92
Benzo(g,h,i)perylene
Concen: 13.643 ng
RT: 17.504 min Scan# 2587
Delta R.T. 0.012 min
Lab File: BF129522.D
Acq: 02 Aug 2022 23:14



Tgt Ion:276 Resp: 140236
Ion Ratio Lower Upper
276 100
277 24.5 19.1 28.7
138 23.1 18.0 27.0

