

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
 Data File : BF129518.D
 Acq On : 02 Aug 2022 21:04
 Operator : CG\JU
 Sample : N3927-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-90

Manual Integrations
 APPROVED

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

Quant Time: Aug 03 01:47:59 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	164400	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	640323	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	321204	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	440020	20.000	ng	0.00
76) Chrysene-d12	14.051	240	305238	20.000	ng	0.00
86) Perylene-d12	15.533	264	265978	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1048423	103.886	ng	0.00
7) Phenol-d6	6.522	99	1306649	103.006	ng	0.00
23) Nitrobenzene-d5	7.439	82	834226	71.119	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	265302	85.910	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1371583	66.057	ng	0.00
79) Terphenyl-d14	12.986	244	927468	57.324	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.775	152	109015	3.786	ng	99
71) Phenanthrene	11.427	178	166508	6.932	ng	98
75) Fluoranthene	12.616	202	208537	8.569	ng	97
78) Pyrene	12.851	202	447683	17.539	ng	99
81) Benzo(a)anthracene	14.039	228	211898m	10.163	ng	
83) Chrysene	14.074	228	216753	11.030	ng	98
87) Indeno(1,2,3-cd)pyrene	17.033	276	81749	4.564	ng	97
88) Benzo(b)fluoranthene	15.098	252	205626m	11.655	ng	
89) Benzo(k)fluoranthene	15.121	252	57411m	3.321	ng	
90) Benzo(a)pyrene	15.468	252	209377	14.619	ng	# 95
92) Benzo(g,h,i)perylene	17.498	276	112326	7.540	ng	98

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

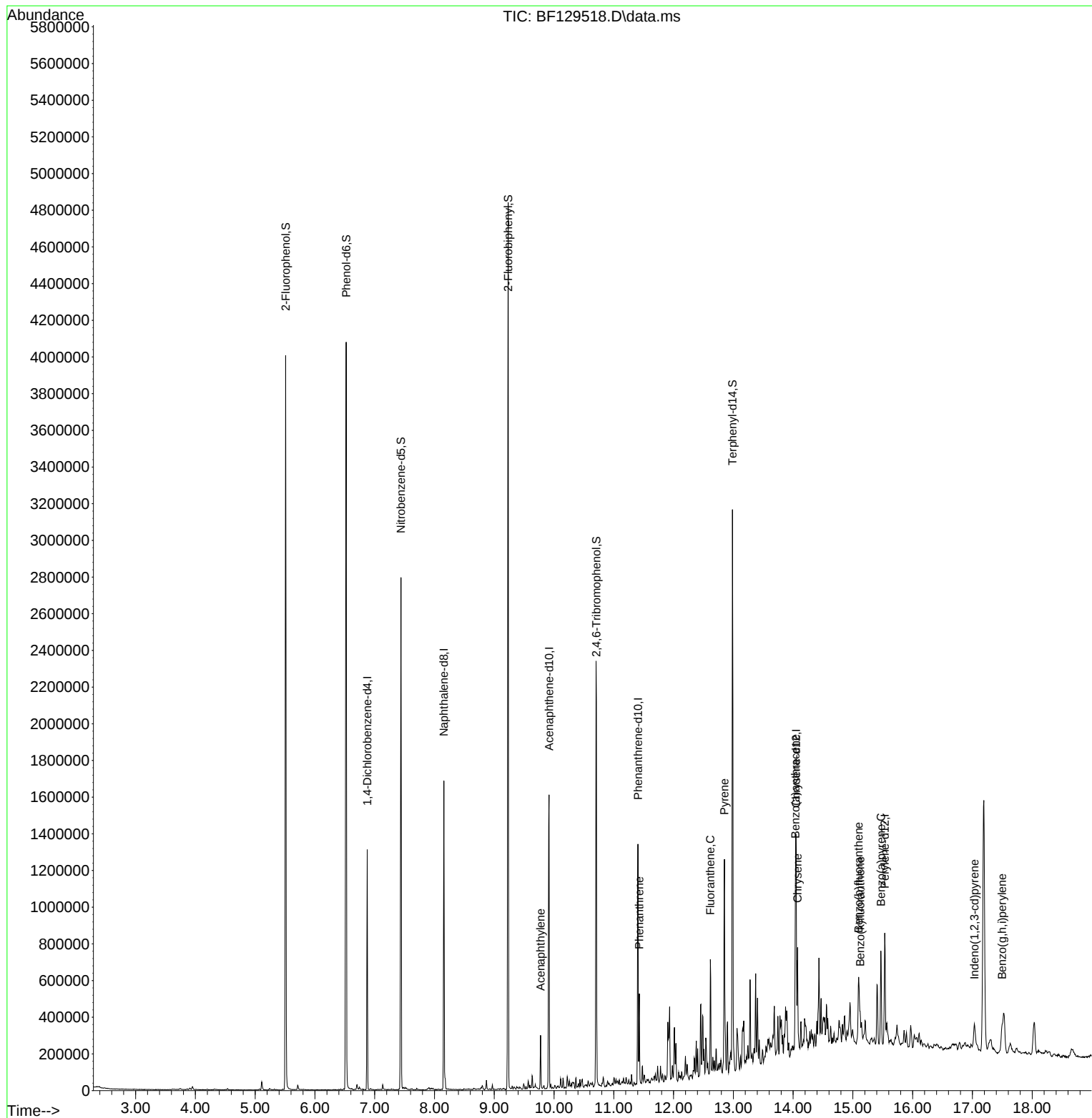
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
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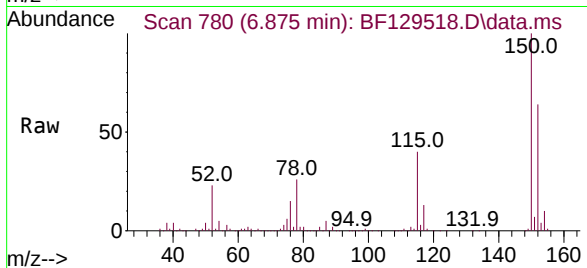
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04

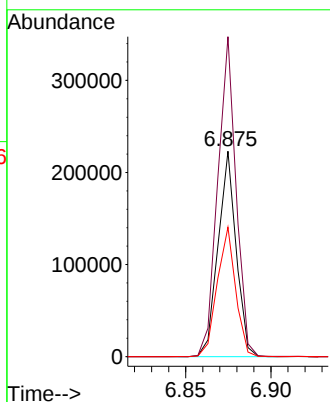
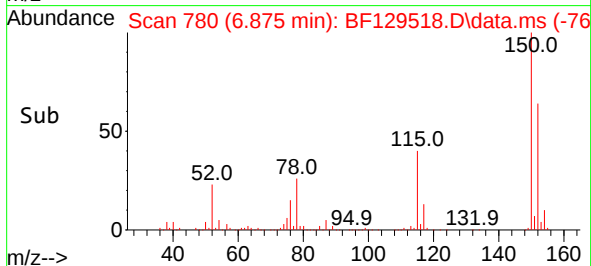
Instrument :
BNA_F
ClientSampleId :
RVE-90



Tgt Ion:152 Resp: 164400
Ion Ratio Lower Upper
152 100
150 155.8 123.7 185.5
115 63.0 49.9 74.9

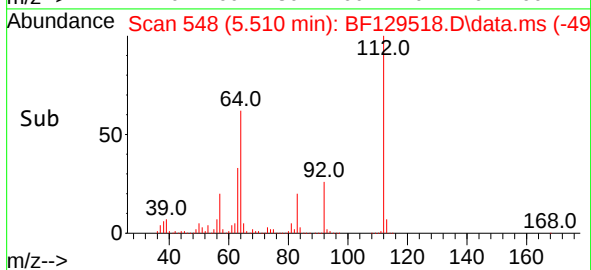
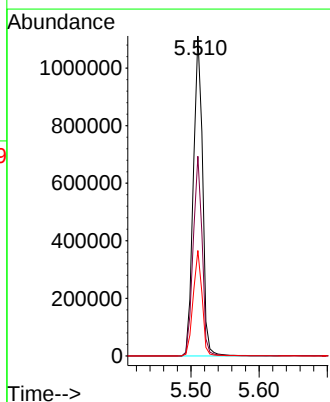
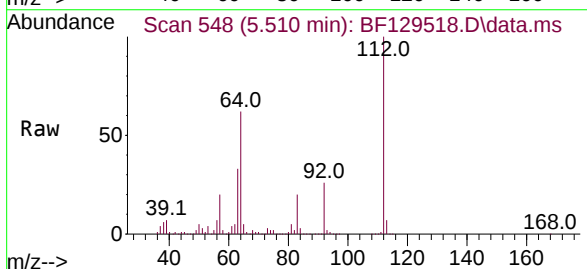
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#5
2-Fluorophenol
Concen: 103.886 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.006 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04

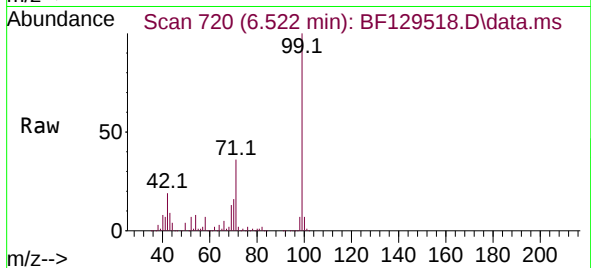
Tgt Ion:112 Resp: 1048423
Ion Ratio Lower Upper
112 100
64 62.4 53.3 79.9
63 32.9 28.0 42.0





#7
Phenol-d6
Concen: 103.006 ng
RT: 6.522 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04

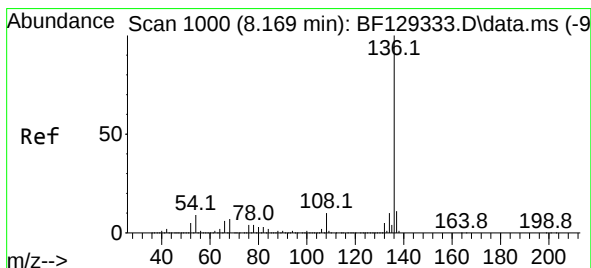
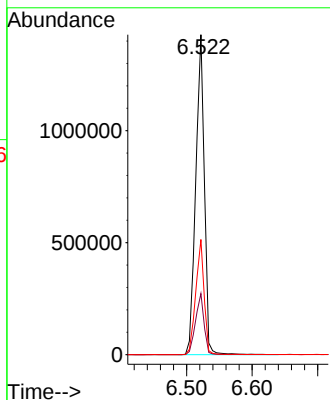
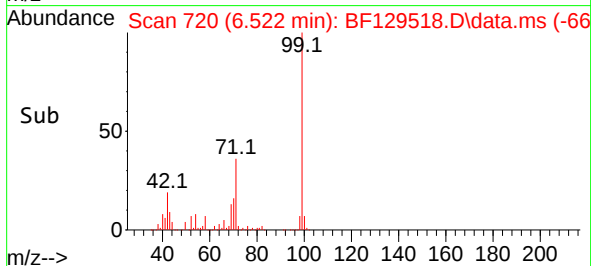
Instrument :
BNA_F
ClientSampleId :
RVE-90



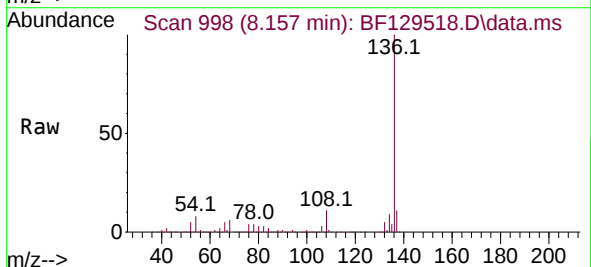
Tgt Ion: 99 Resp: 1306649
Ion Ratio Lower Upper
99 100
42 19.1 17.3 25.9
71 36.0 28.9 43.3

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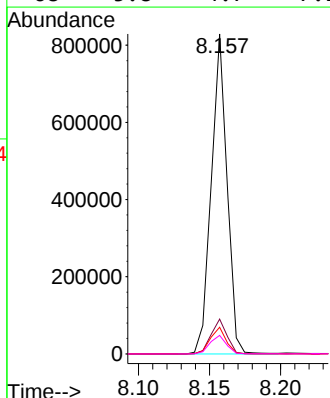
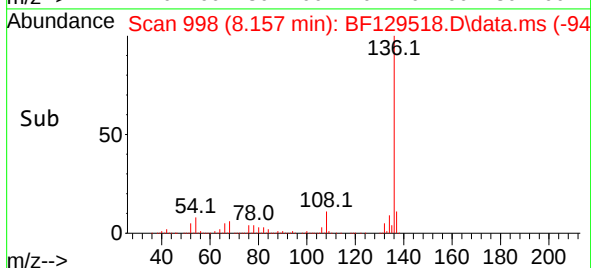
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022

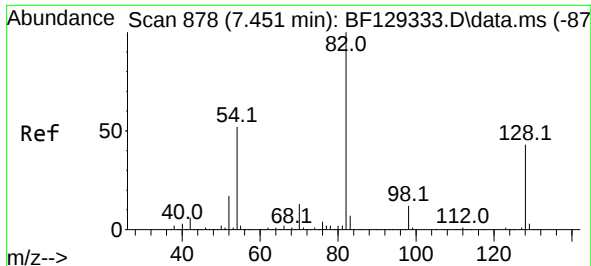


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04



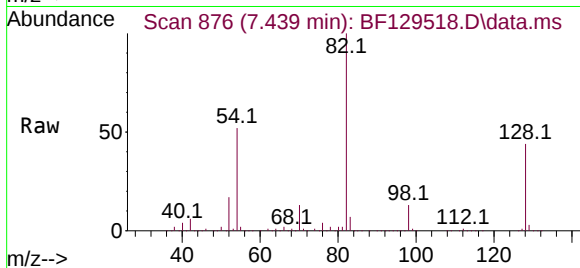
Tgt Ion:136 Resp: 640323
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.3 7.5 11.3
68 5.8 4.7 7.1





#23
Nitrobenzene-d5
Concen: 71.119 ng
RT: 7.439 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04

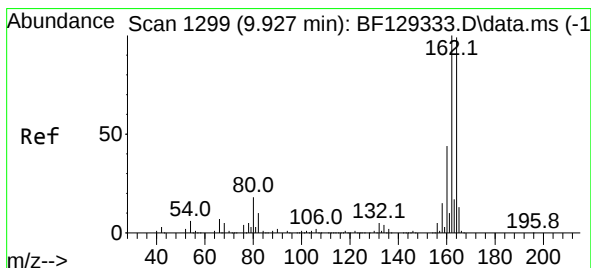
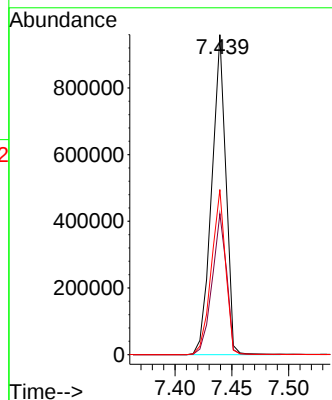
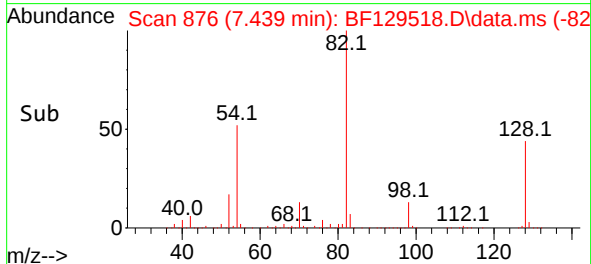
Instrument :
BNA_F
ClientSampleId :
RVE-90



Tgt Ion: 82 Resp: 834226
Ion Ratio Lower Upper
82 100
128 44.0 34.0 51.0
54 51.6 46.9 70.3

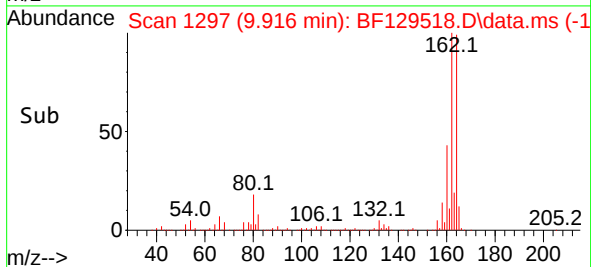
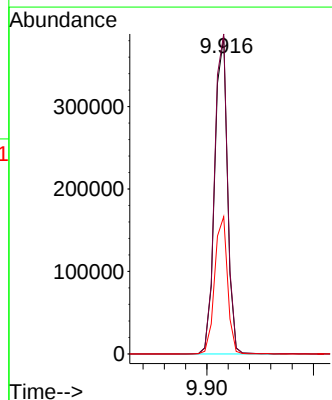
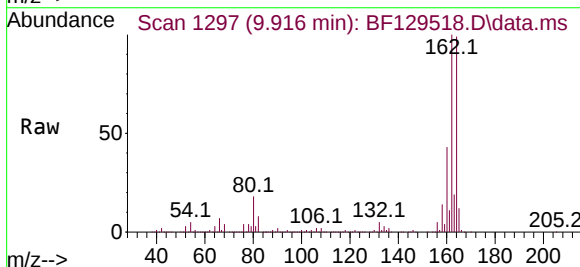
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04

Tgt Ion:164 Resp: 321204
Ion Ratio Lower Upper
164 100
162 100.9 79.5 119.3
160 43.2 34.2 51.4





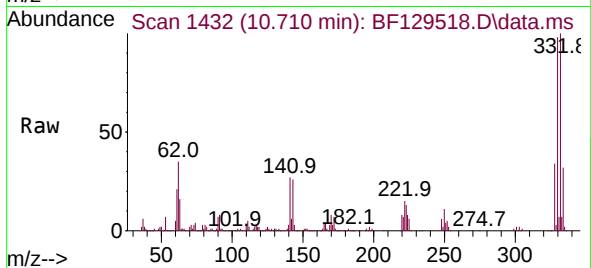
#42
2,4,6-Tribromophenol
Concen: 85.910 ng
RT: 10.710 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04

Instrument :

BNA_F

ClientSampleId :

RVE-90

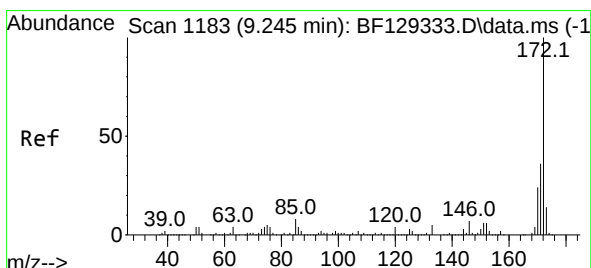
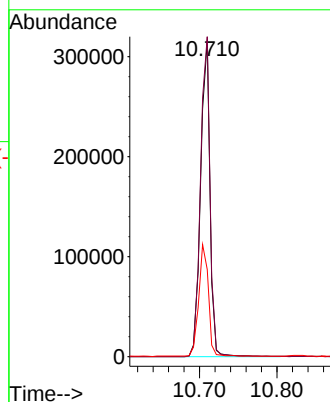
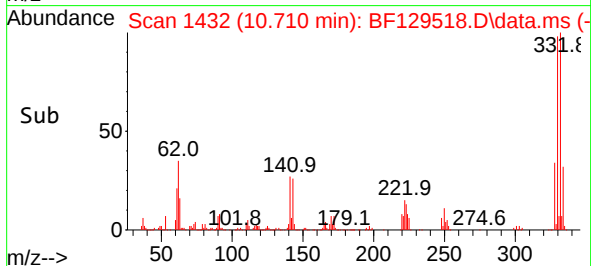


Tgt Ion: 330 Resp: 265302
Ion Ratio Lower Upper
330 100
332 103.3 76.8 115.2
141 36.1 28.0 42.0

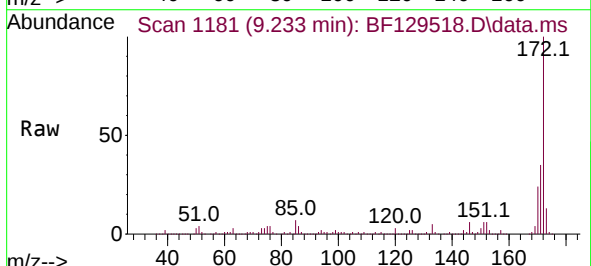
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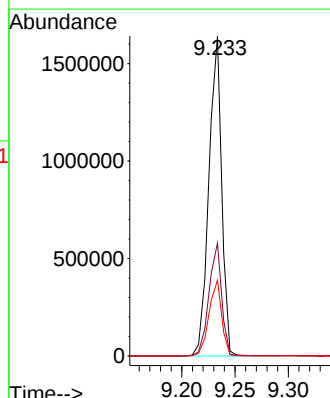
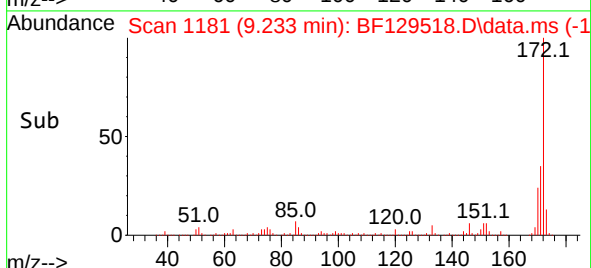
Reviewed By : Christian Giraldo 08/03/2022
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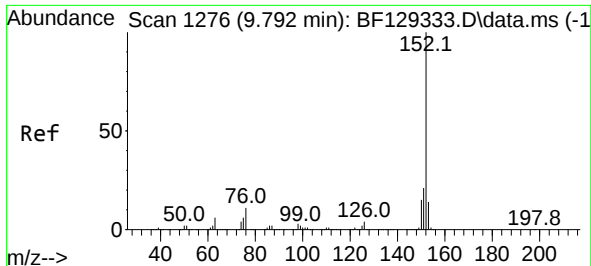


#45
2-Fluorobiphenyl
Concen: 66.057 ng
RT: 9.233 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04



Tgt Ion: 172 Resp: 1371583
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.7 19.8 29.8





#49

Acenaphthylene

Concen: 3.786 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129518.D

Acq: 02 Aug 2022 21:04

Instrument :

BNA_F

ClientSampleId :

RVE-90

Tgt Ion:152 Resp: 109015

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

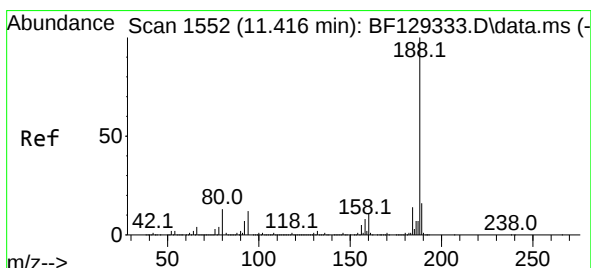
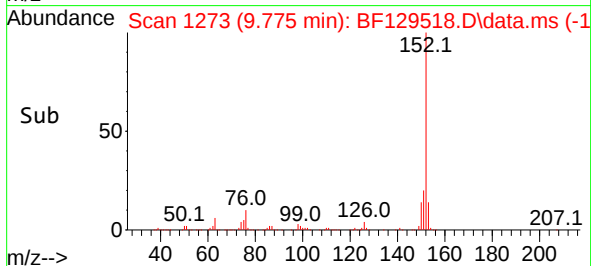
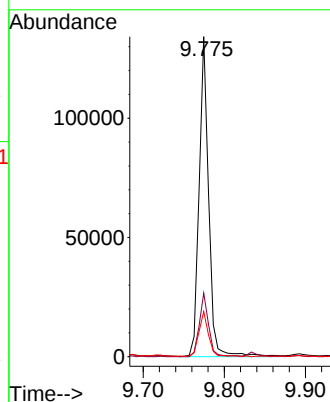
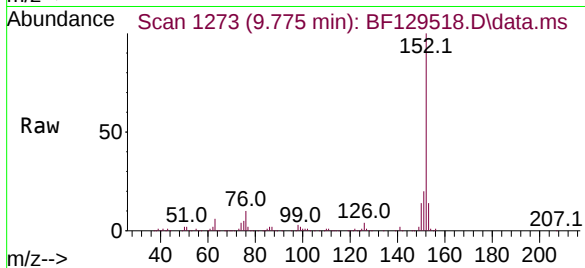
153 14.1 10.7 16.1

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF129518.D

Acq: 02 Aug 2022 21:04

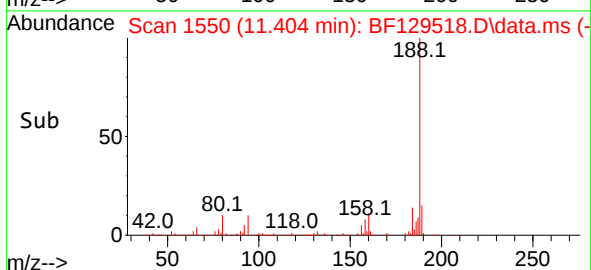
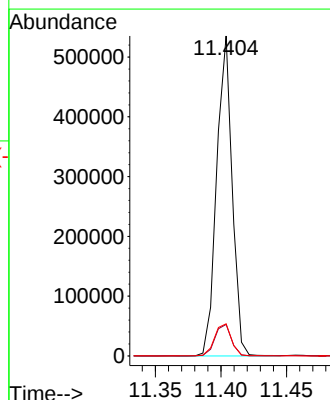
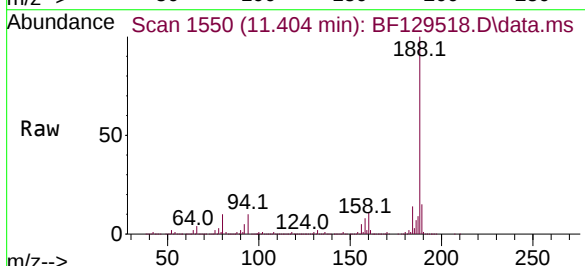
Tgt Ion:188 Resp: 440020

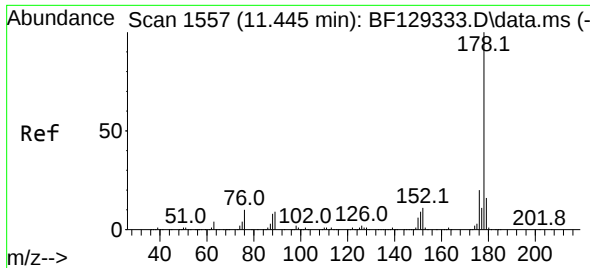
Ion Ratio Lower Upper

188 100

94 9.8 7.0 10.6

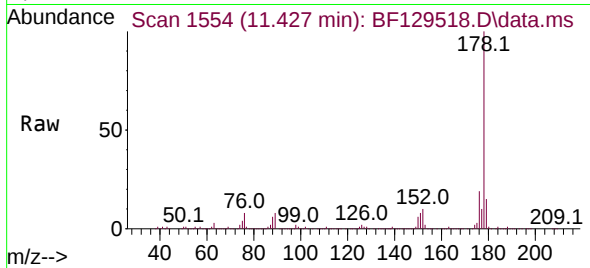
80 10.0 7.6 11.4





#71
Phenanthrene
Concen: 6.932 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04

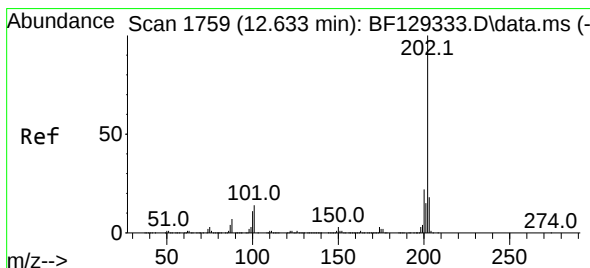
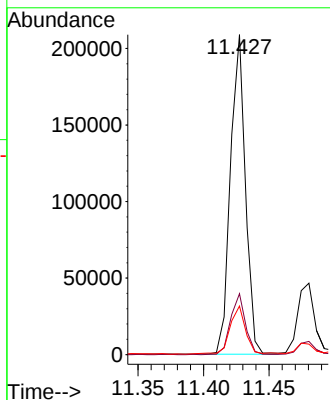
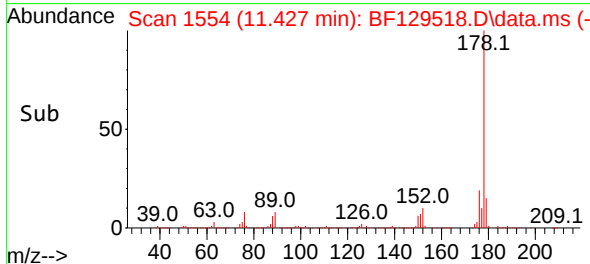
Instrument :
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ClientSampleId :
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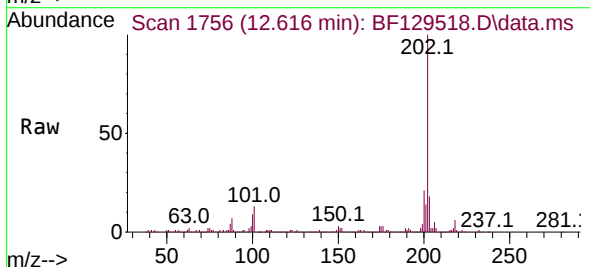
Tgt Ion:178 Resp: 166508
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.2 12.6 19.0

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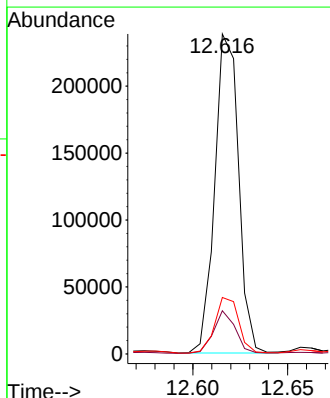
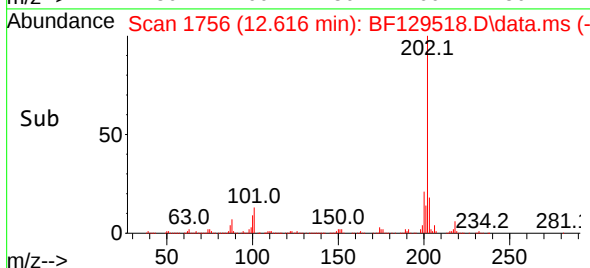
Reviewed By :Christian Giraldo 08/03/2022
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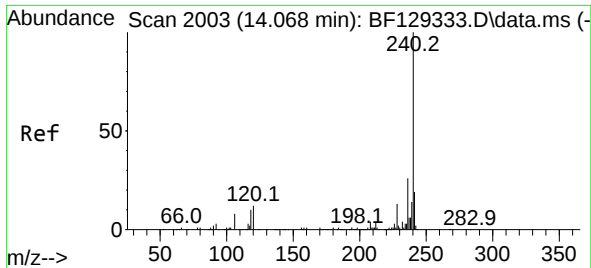


#75
Fluoranthene
Concen: 8.569 ng
RT: 12.616 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04



Tgt Ion:202 Resp: 208537
Ion Ratio Lower Upper
202 100
101 13.5 0.0 31.4
203 17.6 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04

Instrument :

BNA_F

ClientSampleId :

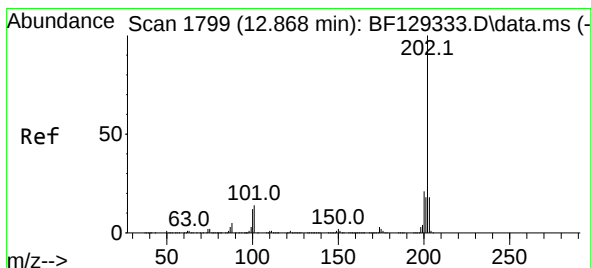
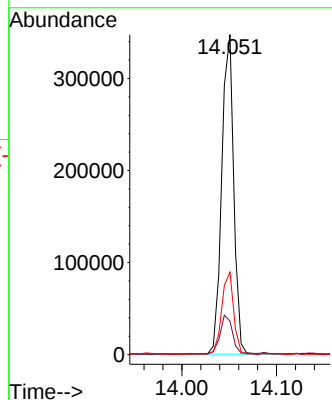
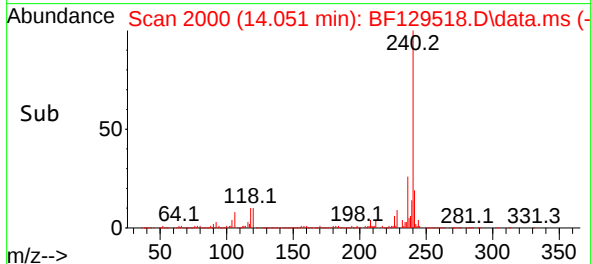
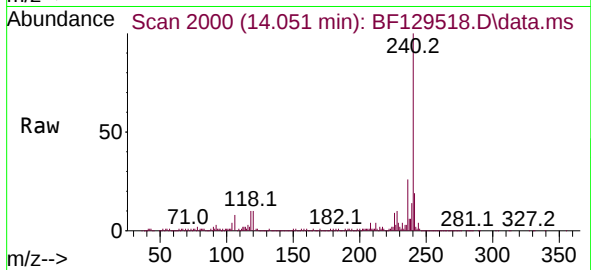
RVE-90

Tgt Ion:240 Resp: 305238
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 25.8 20.8 31.2

Manual Integrations

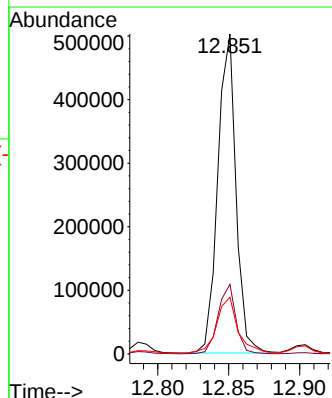
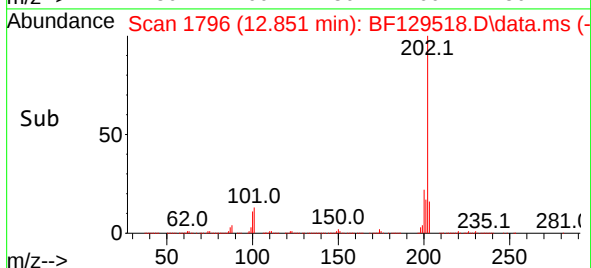
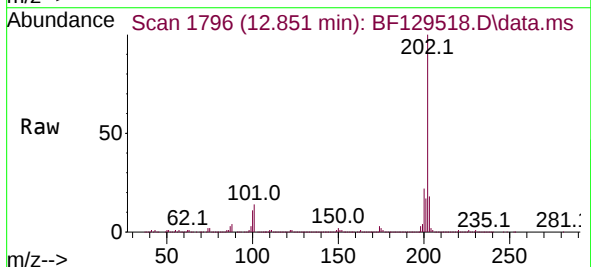
APPROVED

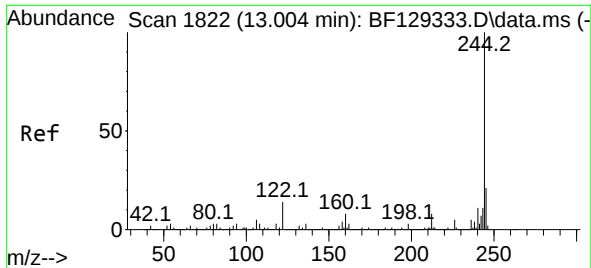
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#78
Pyrene
Concen: 17.539 ng
RT: 12.851 min Scan# 1796
Delta R.T. -0.000 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04

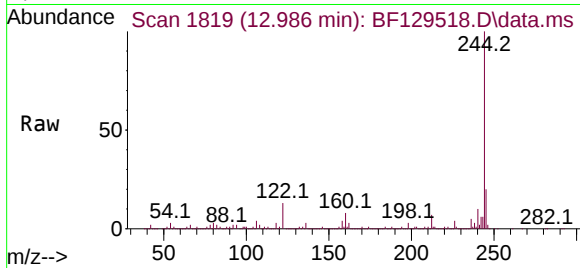
Tgt Ion:202 Resp: 447683
Ion Ratio Lower Upper
202 100
200 21.7 17.7 26.5
203 17.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 57.324 ng
 RT: 12.986 min Scan# 1822
 Delta R.T. -0.000 min
 Lab File: BF129518.D
 Acq: 02 Aug 2022 21:04

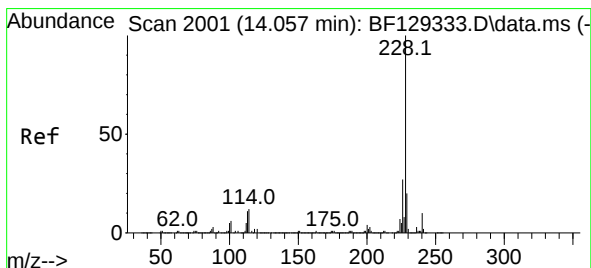
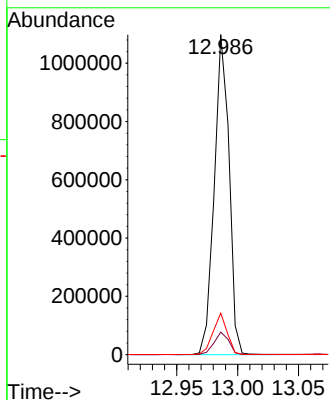
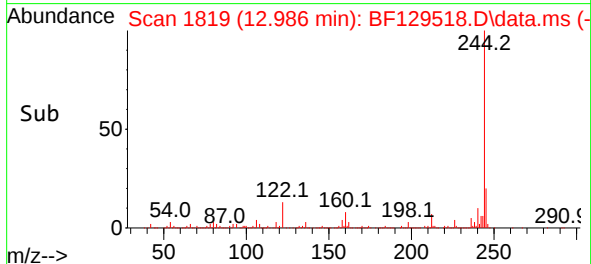
Instrument :
 BNA_F
 ClientSampleId :
 RVE-90



Tgt Ion:244 Resp: 927468
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 13.0 8.8 13.2

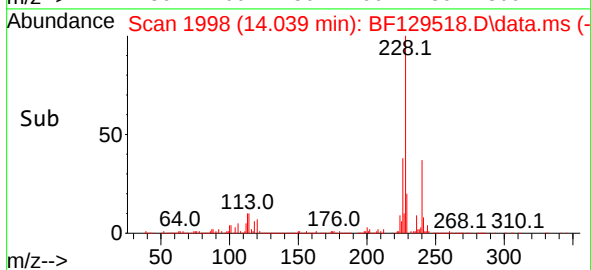
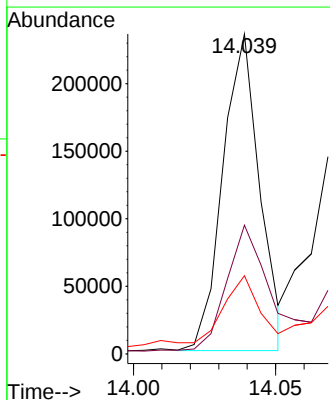
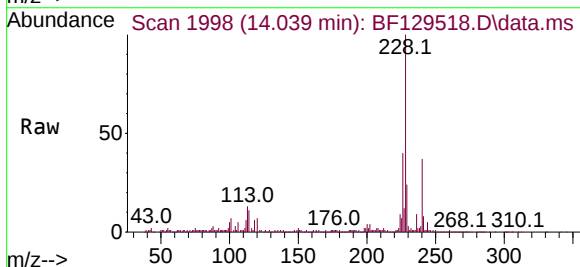
Manual Integrations
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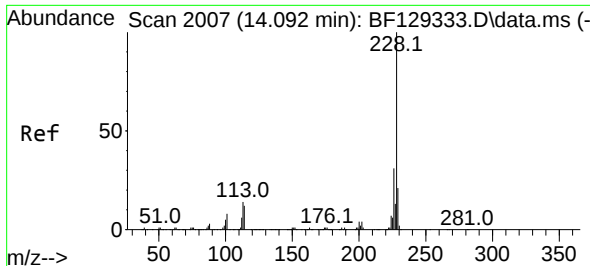
Reviewed By :Christian Giraldo 08/03/2022
 Supervised By :Jagrut Upadhyay 08/03/2022



#81
 Benzo(a)anthracene
 Concen: 10.163 ng m
 RT: 14.039 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: BF129518.D
 Acq: 02 Aug 2022 21:04

Tgt Ion:228 Resp: 211898
 Ion Ratio Lower Upper
 228 100
 226 40.2 22.1 33.1#
 229 24.4 15.8 23.8#





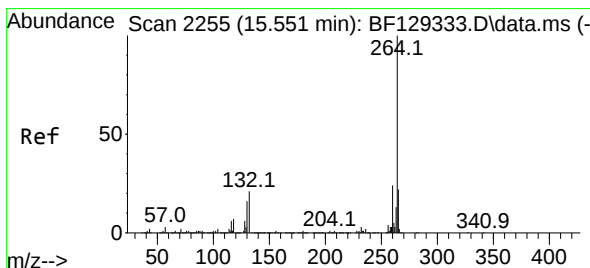
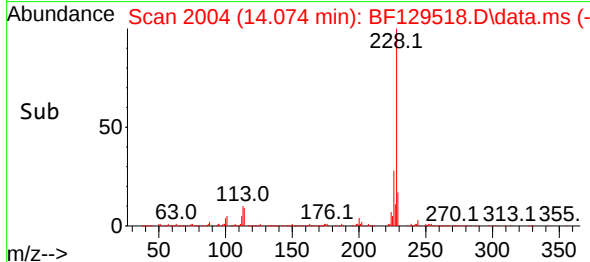
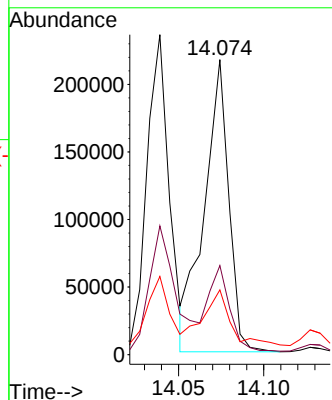
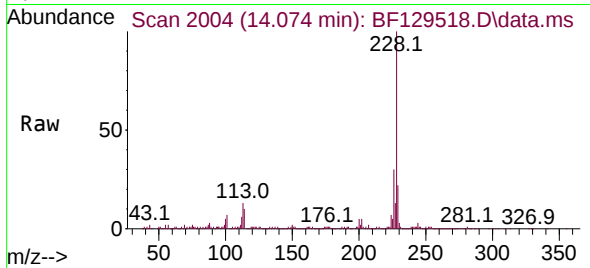
#83
Chrysene
Concen: 11.030 ng
RT: 14.074 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04

Instrument :
BNA_F
ClientSampleId :
RVE-90

Tgt Ion:228 Resp: 216753
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.0 15.9 23.9

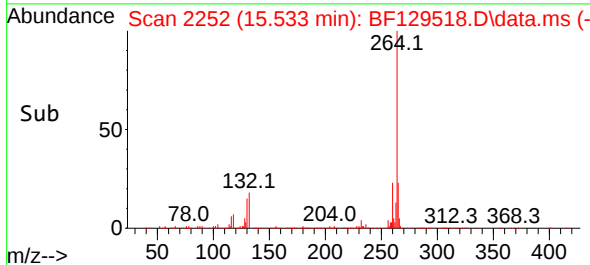
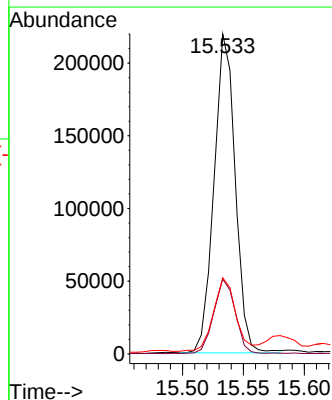
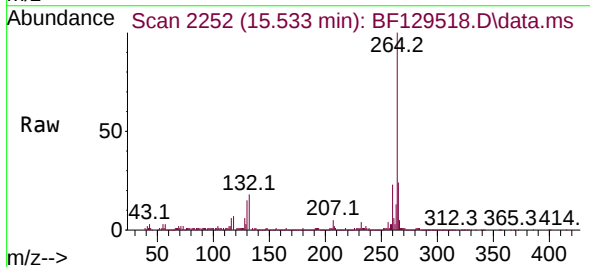
Manual Integrations
APPROVED

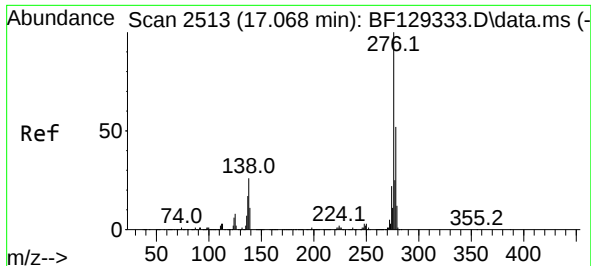
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2252
Delta R.T. 0.006 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04

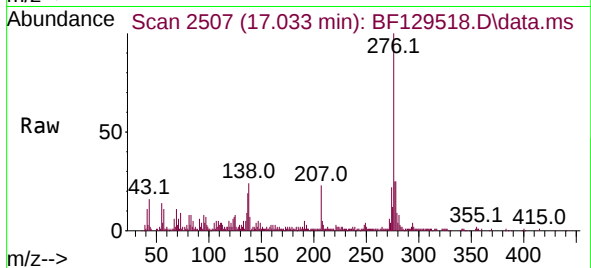
Tgt Ion:264 Resp: 265978
Ion Ratio Lower Upper
264 100
260 23.4 18.4 27.6
265 23.8 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.564 ng
RT: 17.033 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04

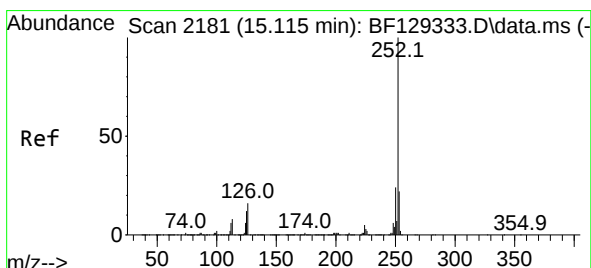
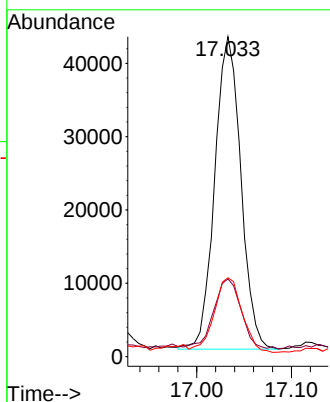
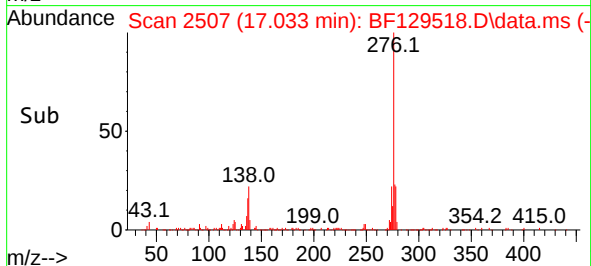
Instrument :
BNA_F
ClientSampleId :
RVE-90



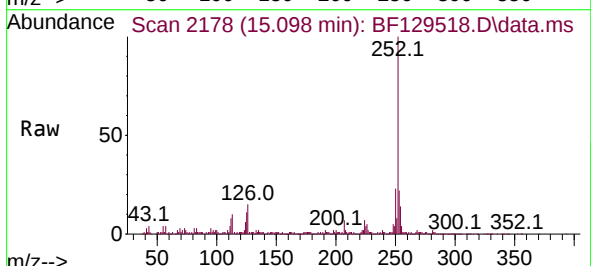
Tgt Ion: 276 Resp: 81749
Ion Ratio Lower Upper
276 100
138 23.3 21.1 31.7
277 25.3 20.3 30.5

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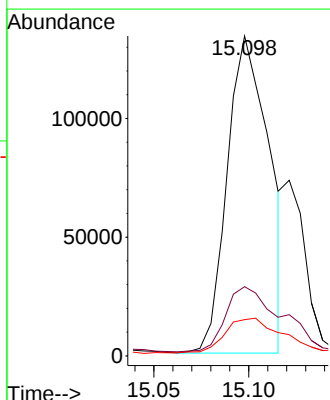
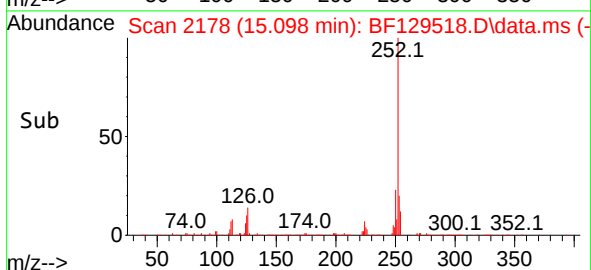
Reviewed By : Christian Giraldo 08/03/2022
Supervised By : Jagrut Upadhyay 08/03/2022

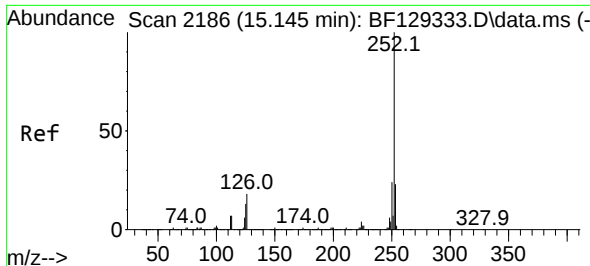


#88
Benzo(b)fluoranthene
Concen: 11.655 ng m
RT: 15.098 min Scan# 2178
Delta R.T. 0.006 min
Lab File: BF129518.D
Acq: 02 Aug 2022 21:04



Tgt Ion: 252 Resp: 205626
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 11.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 3.321 ng m

RT: 15.121 min Scan# 2186

Delta R.T. -0.000 min

Lab File: BF129518.D

Acq: 02 Aug 2022 21:04

Instrument :

BNA_F

ClientSampleId :

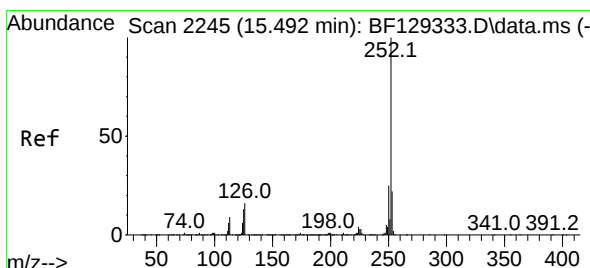
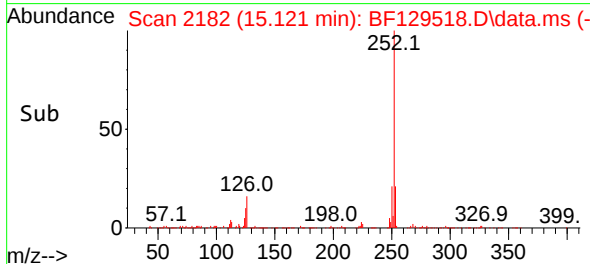
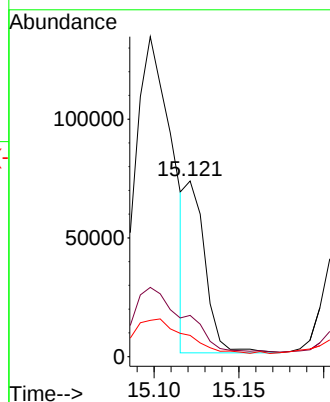
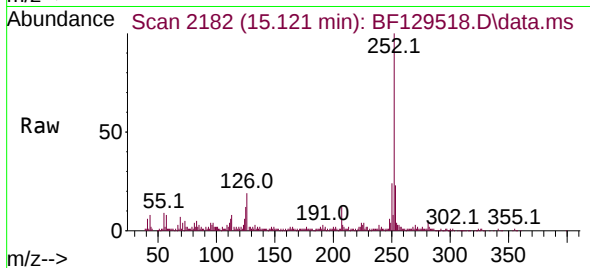
RVE-90

Tgt Ion:252 Resp: 57411
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.8 26.6
 125 12.1 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: 14.619 ng

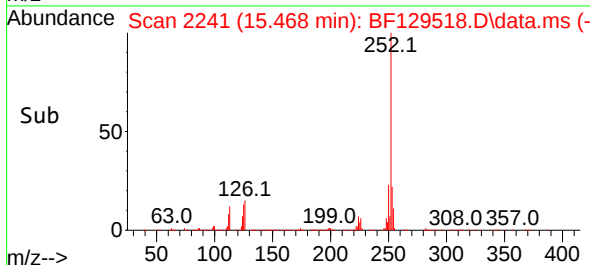
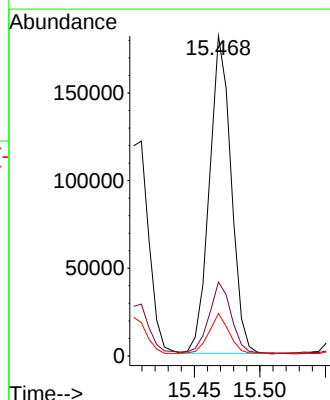
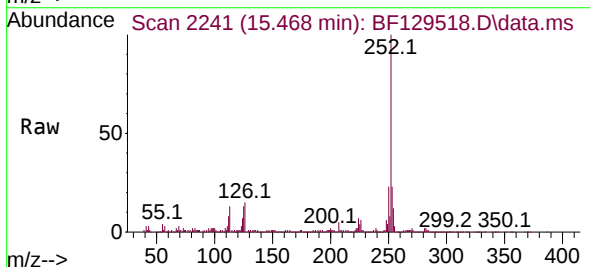
RT: 15.468 min Scan# 2241

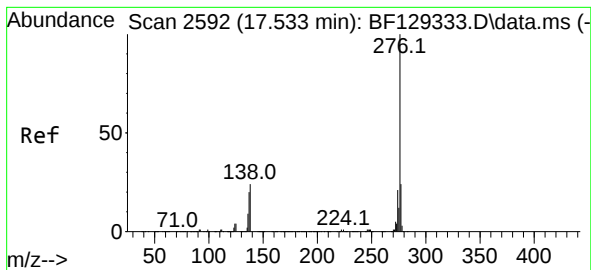
Delta R.T. -0.000 min

Lab File: BF129518.D

Acq: 02 Aug 2022 21:04

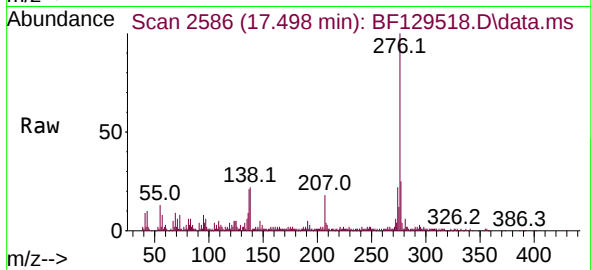
Tgt Ion:252 Resp: 209377
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.0 25.6
 125 13.3 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 7.540 ng
 RT: 17.498 min Scan# 2586
 Delta R.T. 0.006 min
 Lab File: BF129518.D
 Acq: 02 Aug 2022 21:04

Instrument :
 BNA_F
 ClientSampleId :
 RVE-90



Tgt Ion:276 Resp: 112326
 Ion Ratio Lower Upper
 276 100
 277 25.1 19.1 28.7
 138 22.1 18.0 27.0

Manual Integrations
 APPROVED

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

