

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081022\
 Data File : BF129701.D
 Acq On : 10 Aug 2022 18:13
 Operator : CG\JU
 Sample : N4122-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200051

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/11/2022
 Supervised By : Jagrut Upadhyay 08/11/2022

Quant Time: Aug 10 21:34:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 15:26:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	169278	20.000	ng	-0.02
21) Naphthalene-d8	8.116	136	673066	20.000	ng	-0.02
39) Acenaphthene-d10	9.875	164	350122	20.000	ng	-0.02
64) Phenanthrene-d10	11.363	188	533406	20.000	ng	-0.02
76) Chrysene-d12	14.010	240	281862	20.000	ng	#-0.02
86) Perylene-d12	15.486	264	305517	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1180400	113.592	ng	0.00
7) Phenol-d6	6.492	99	1475817	112.989	ng	-0.01
23) Nitrobenzene-d5	7.404	82	956174	77.550	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	367251	109.101	ng	-0.02
45) 2-Fluorobiphenyl	9.192	172	1531522	67.667	ng	-0.02
79) Terphenyl-d14	12.951	244	1049511	70.247	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	105310	3.617	ng	97
75) Fluoranthene	12.580	202	172926	5.861	ng	98
78) Pyrene	12.810	202	150220	6.373	ng	98
81) Benzo(a)anthracene	13.998	228	68470	3.556	ng	98
83) Chrysene	14.039	228	69487	3.829	ng	98
87) Indeno(1,2,3-cd)pyrene	16.962	276	45096	2.192	ng	96
88) Benzo(b)fluoranthene	15.057	252	104859m	5.174	ng	
90) Benzo(a)pyrene	15.421	252	69013	4.195	ng	# 97
92) Benzo(g,h,i)perylene	17.415	276	41628	2.433	ng	# 92

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

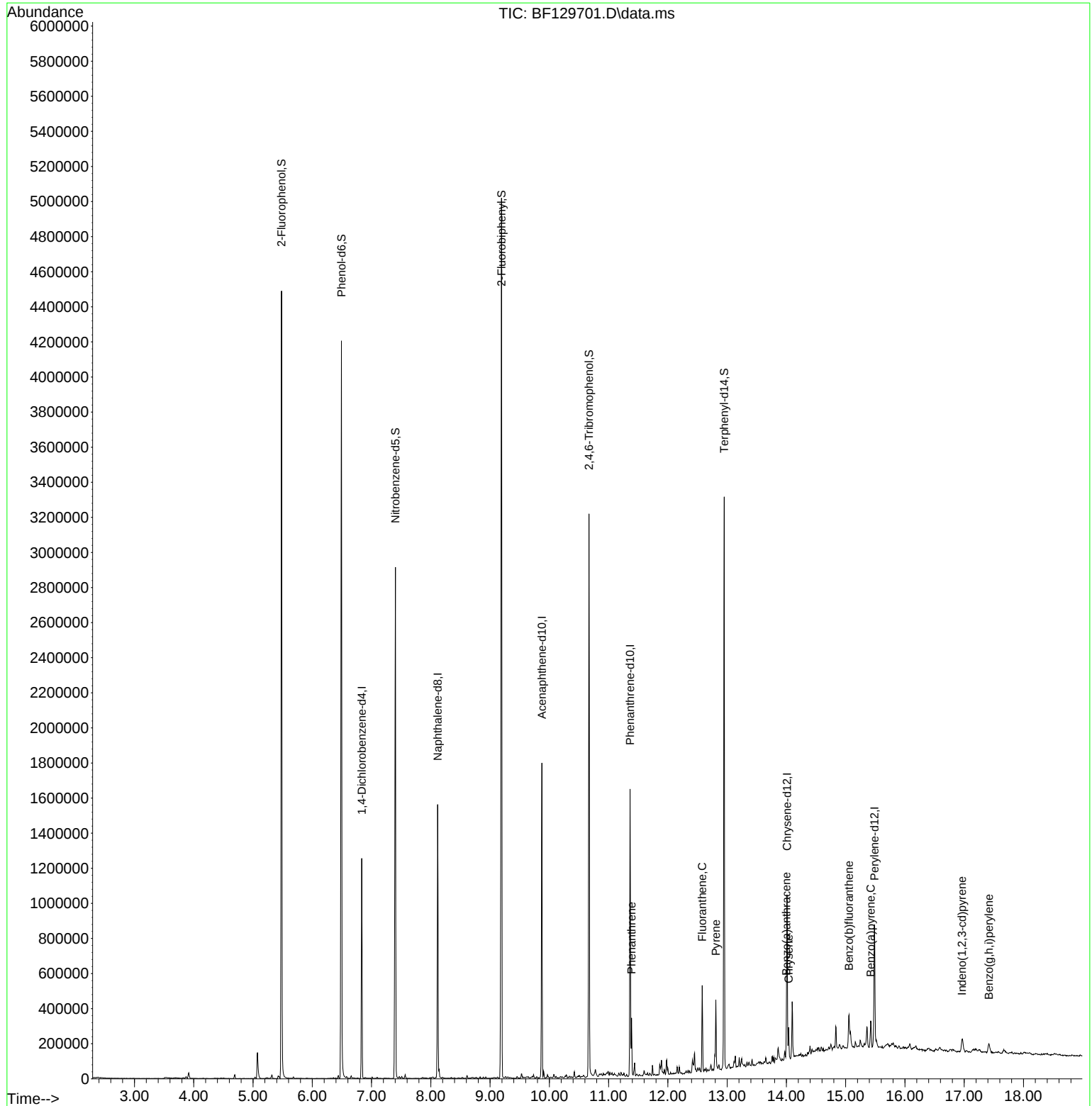
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081022\
Data File : BF129701.D
Acq On : 10 Aug 2022 18:13
Operator : CG\JU
Sample : N4122-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200051

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

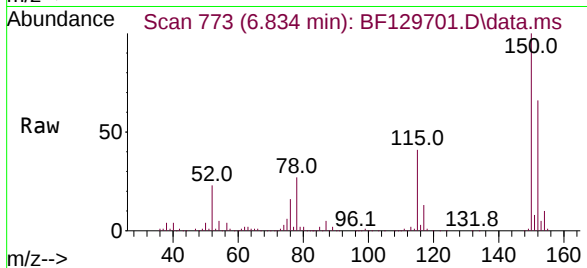
Quant Time: Aug 10 21:34:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 15:26:57 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

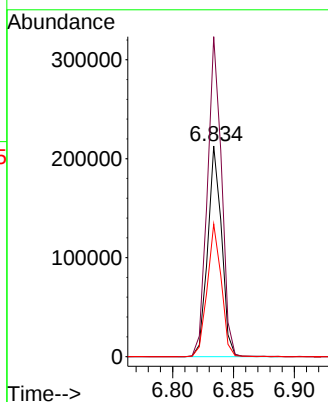
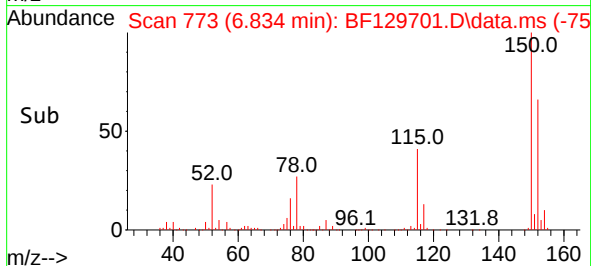
Instrument :
BNA_F
ClientSampleId :
RBR-200051



Tgt Ion:152 Resp: 169278
Ion Ratio Lower Upper
152 100
150 151.9 123.7 185.5
115 62.9 49.9 74.9

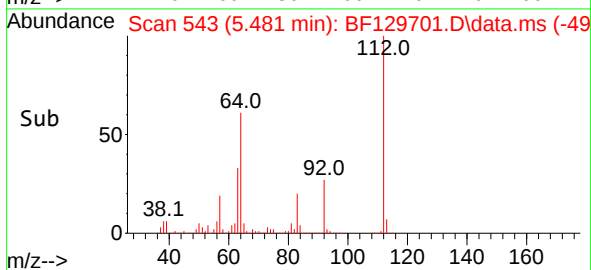
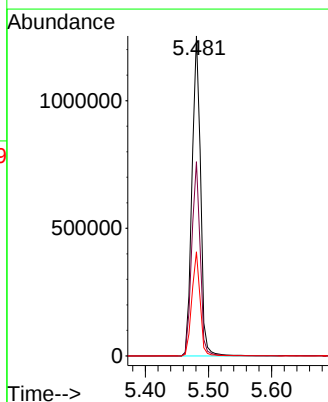
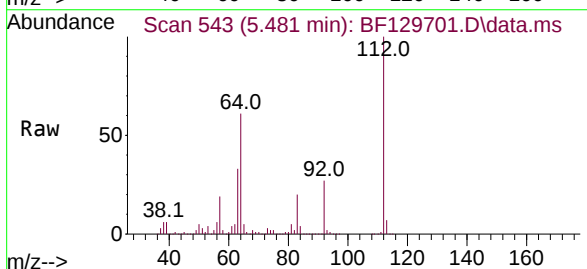
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#5
2-Fluorophenol
Concen: 113.592 ng
RT: 5.481 min Scan# 543
Delta R.T. -0.000 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

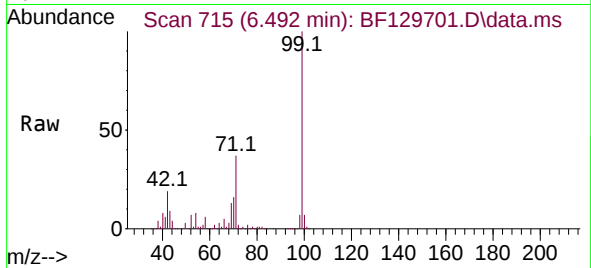
Tgt Ion:112 Resp: 1180400
Ion Ratio Lower Upper
112 100
64 60.7 53.3 79.9
63 32.5 28.0 42.0





#7
Phenol-d6
Concen: 112.989 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

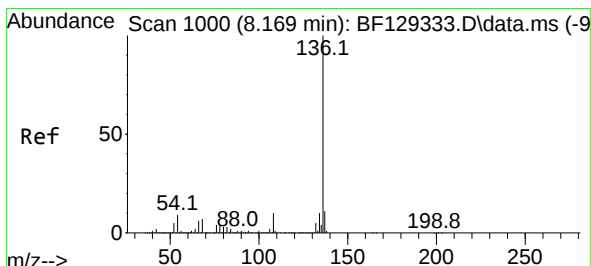
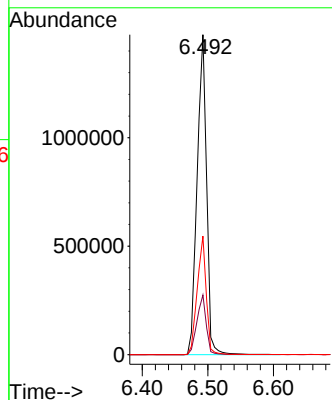
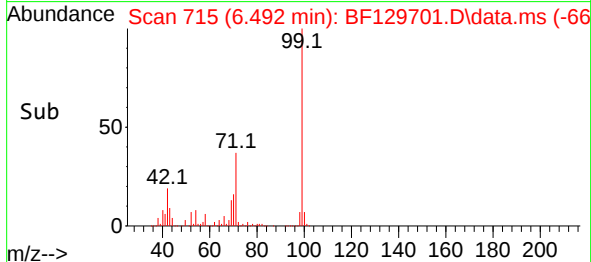
Instrument :
BNA_F
ClientSampleId :
RBR-200051



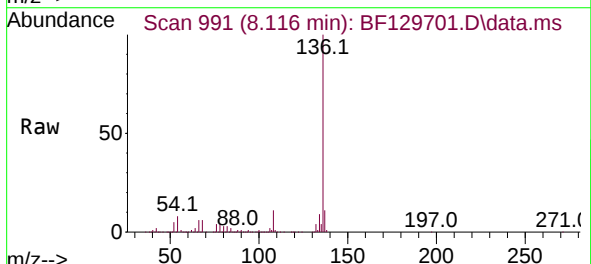
Tgt Ion: 99 Resp: 147581
Ion Ratio Lower Upper
99 100
42 18.6 17.3 25.9
71 37.0 28.9 43.3

Manual Integrations
APPROVED

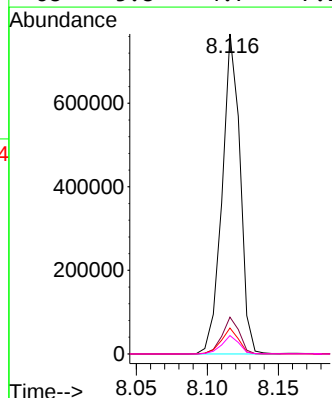
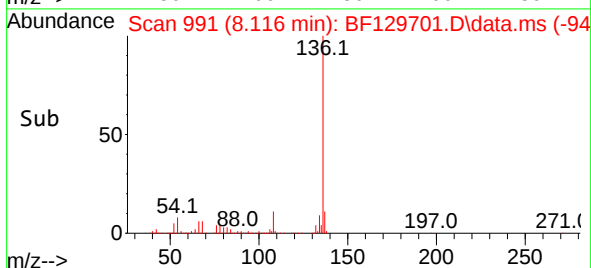
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 991
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13



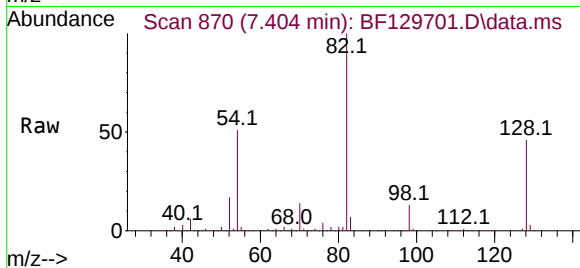
Tgt Ion:136 Resp: 673066
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 8.1 7.5 11.3
68 5.8 4.7 7.1





#23
Nitrobenzene-d5
Concen: 77.550 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

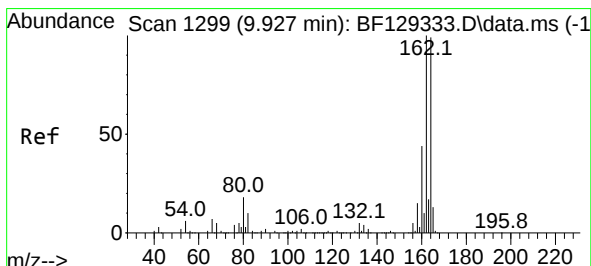
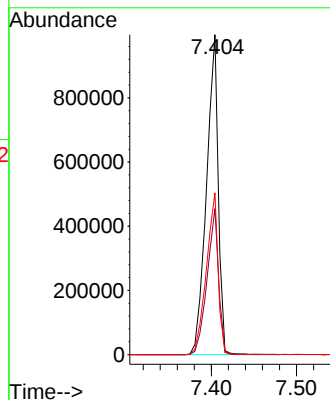
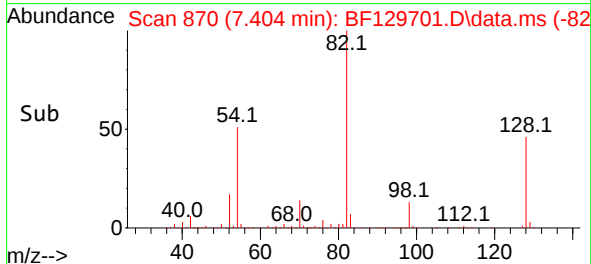
Instrument :
BNA_F
ClientSampleId :
RBR-200051



Tgt Ion: 82 Resp: 956174
Ion Ratio Lower Upper
82 100
128 45.6 34.0 51.0
54 50.6 46.9 70.3

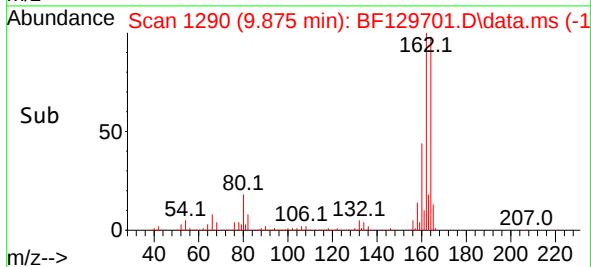
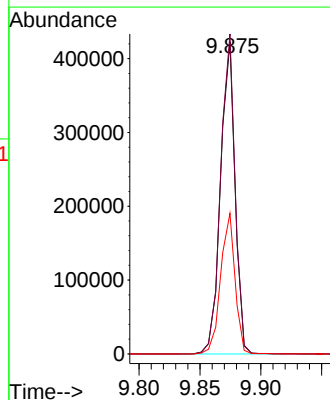
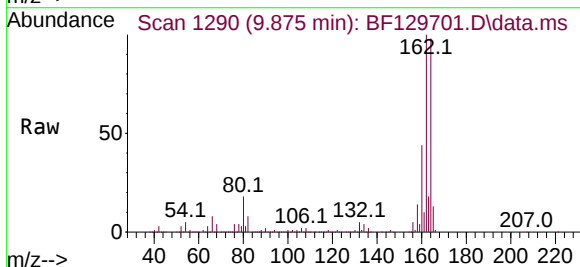
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1290
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Tgt Ion:164 Resp: 350122
Ion Ratio Lower Upper
164 100
162 102.5 79.5 119.3
160 45.0 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 109.101 ng
RT: 10.669 min Scan# 1434
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Instrument :

BNA_F

ClientSampleId :

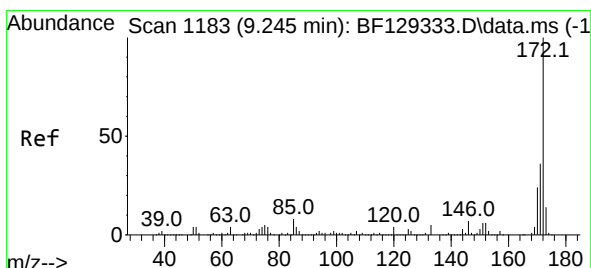
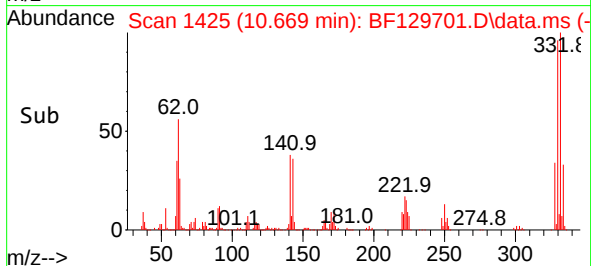
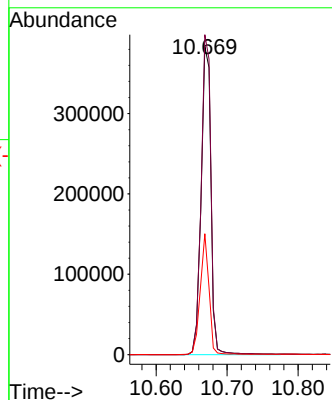
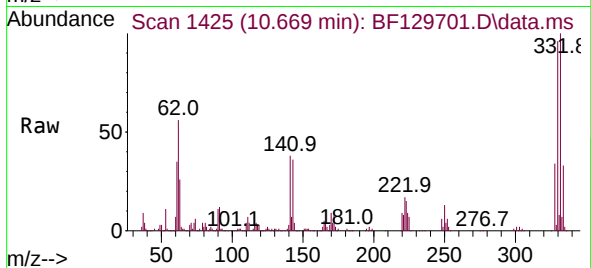
RBR-200051

Tgt Ion:330 Resp: 36725
Ion Ratio Lower Upper
330 100
332 102.8 76.8 115.2
141 35.2 28.0 42.0

Manual Integrations

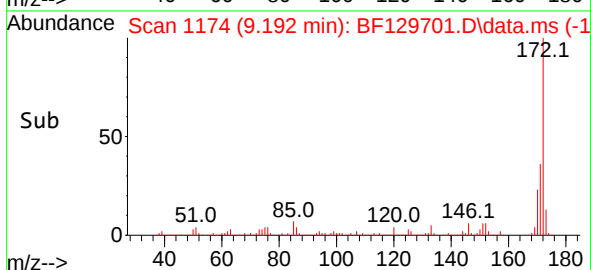
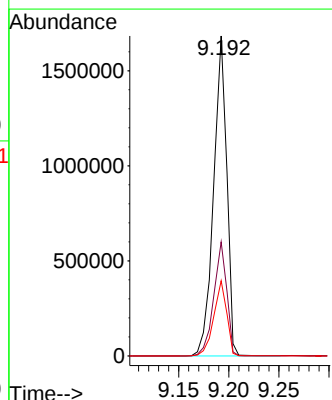
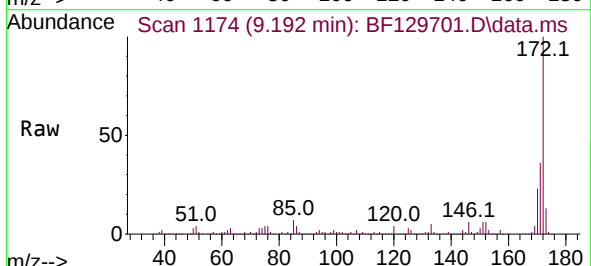
APPROVED

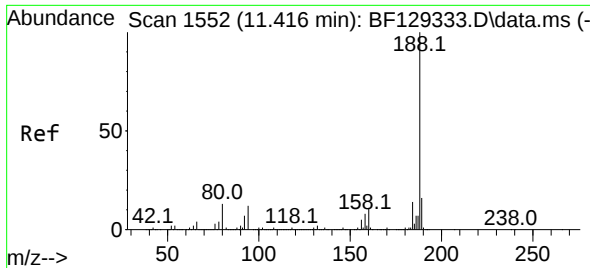
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#45
2-Fluorobiphenyl
Concen: 67.667 ng
RT: 9.192 min Scan# 1174
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Tgt Ion:172 Resp: 1531522
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.5 19.8 29.8





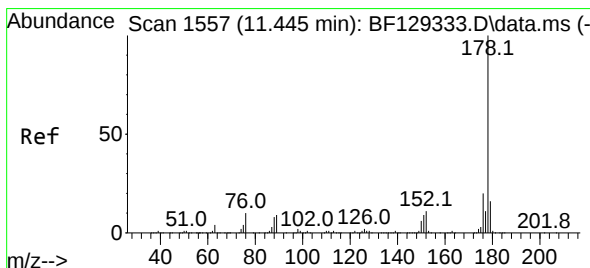
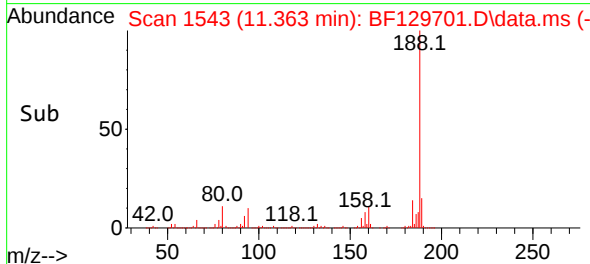
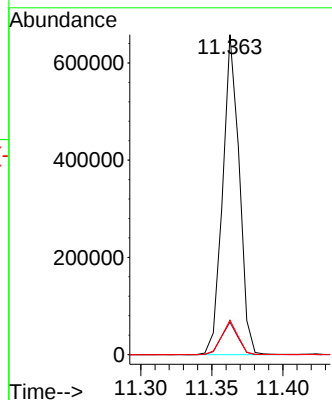
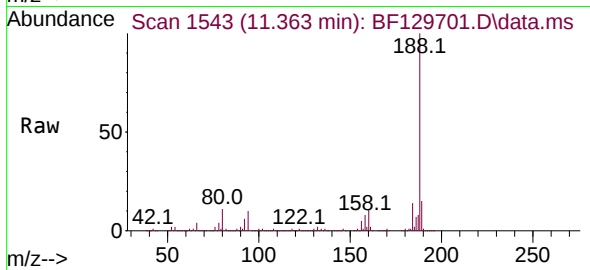
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Instrument :
BNA_F
ClientSampleId :
RBR-200051

Tgt Ion:188 Resp: 533406
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.6
80 10.8 7.6 11.4

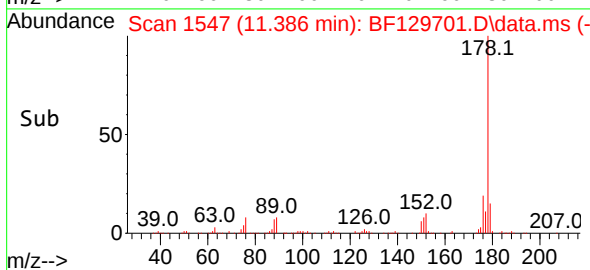
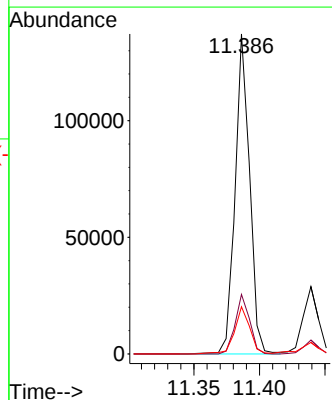
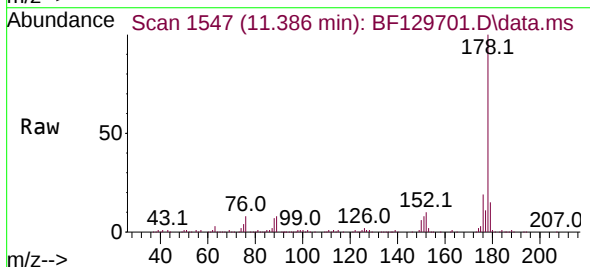
Manual Integrations
APPROVED

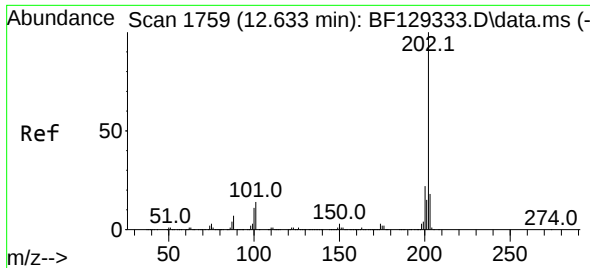
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#71
Phenanthrene
Concen: 3.617 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.024 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

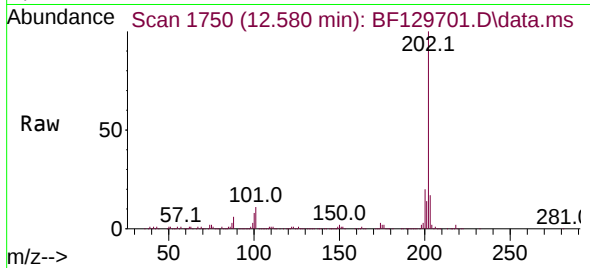
Tgt Ion:178 Resp: 105310
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 14.7 12.6 19.0





#75
Fluoranthene
Concen: 5.861 ng
RT: 12.580 min Scan# 1759
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

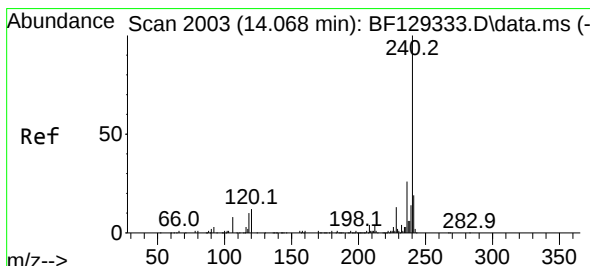
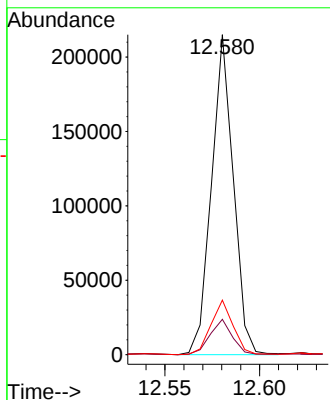
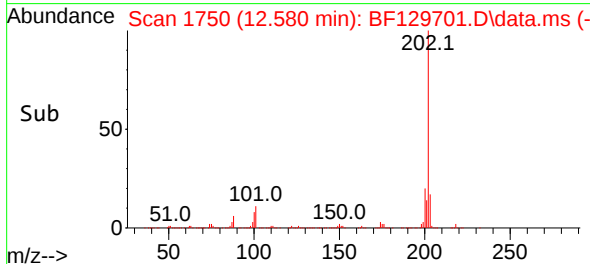
Instrument :
BNA_F
ClientSampleId :
RBR-200051



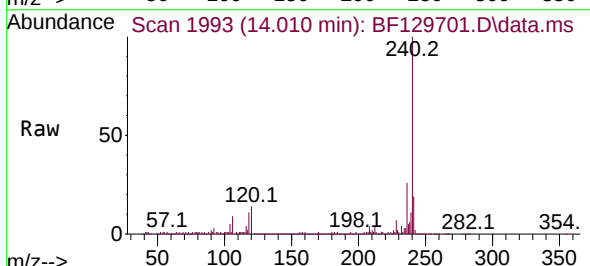
Tgt Ion:202 Resp: 172926
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.4
203 17.0 0.0 38.0

Manual Integrations
APPROVED

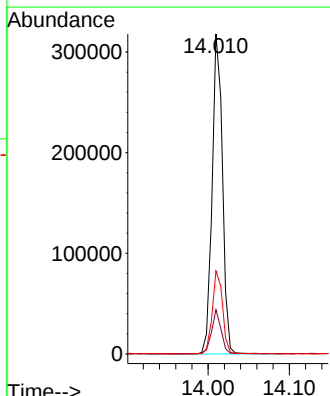
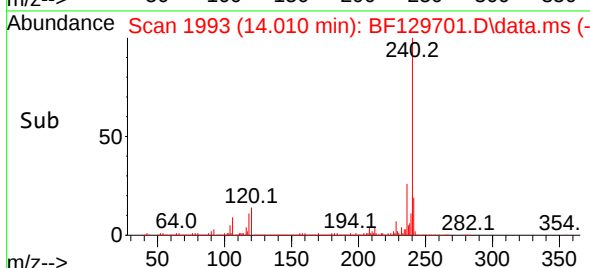
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

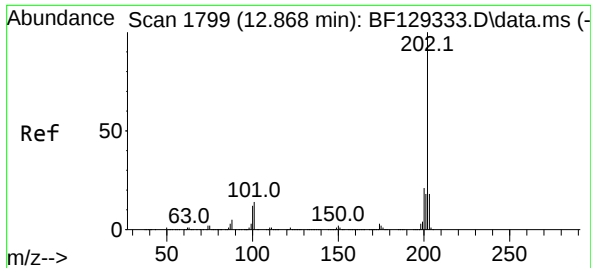


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13



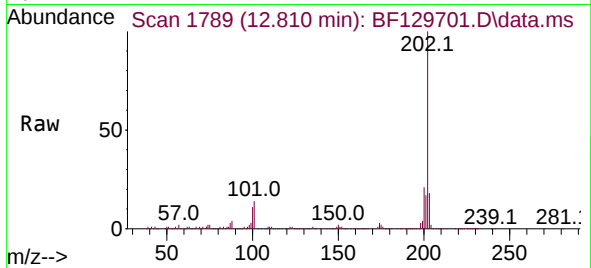
Tgt Ion:240 Resp: 281862
Ion Ratio Lower Upper
240 100
120 13.8 8.9 13.3#
236 25.9 20.8 31.2





#78
Pyrene
Concen: 6.373 ng
RT: 12.810 min Scan# 1789
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

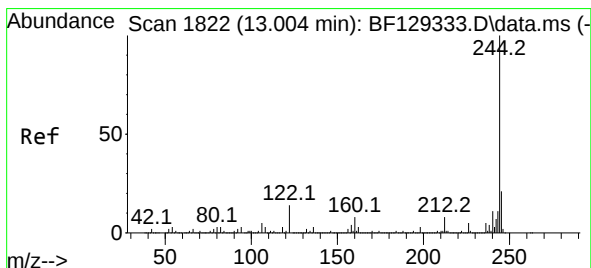
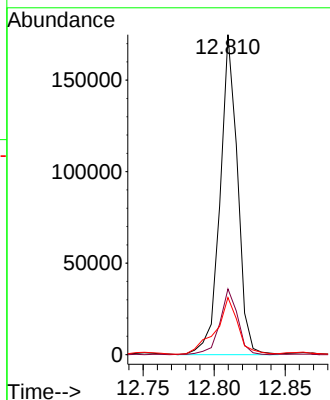
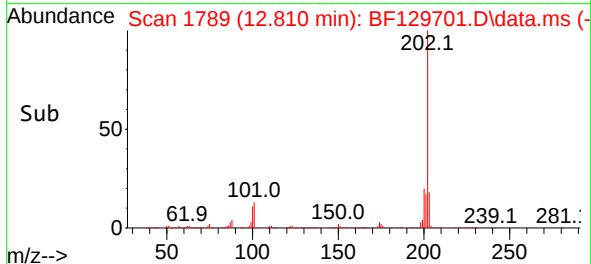
Instrument :
BNA_F
ClientSampleId :
RBR-200051



Tgt Ion:202 Resp: 150220
Ion Ratio Lower Upper
202 100
200 20.5 17.7 26.5
203 17.8 14.6 21.8

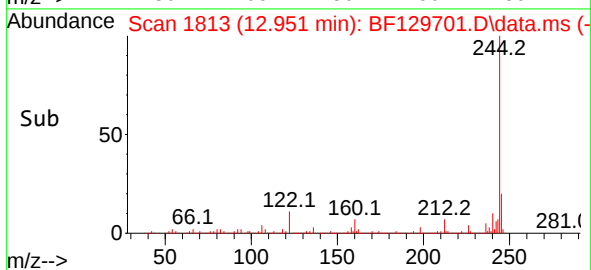
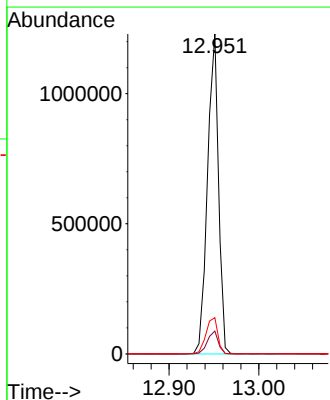
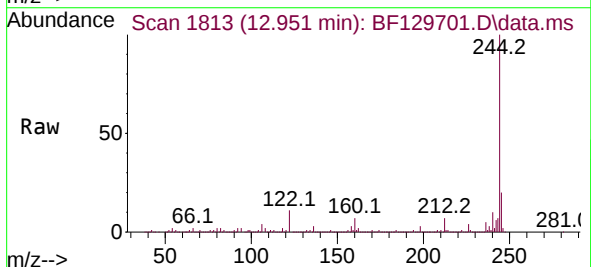
Manual Integrations
APPROVED

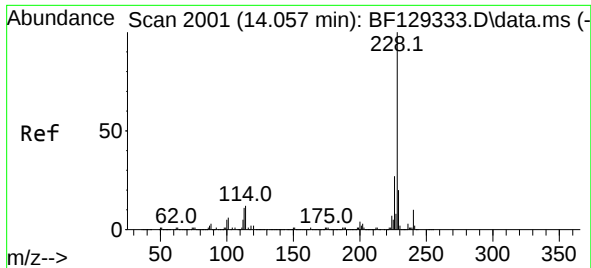
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#79
Terphenyl-d14
Concen: 70.247 ng
RT: 12.951 min Scan# 1813
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

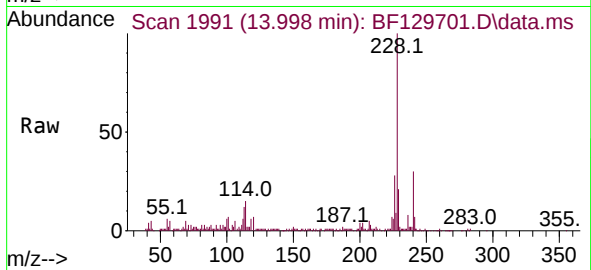
Tgt Ion:244 Resp: 1049511
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 11.3 8.8 13.2





#81
Benzo(a)anthracene
Concen: 3.556 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

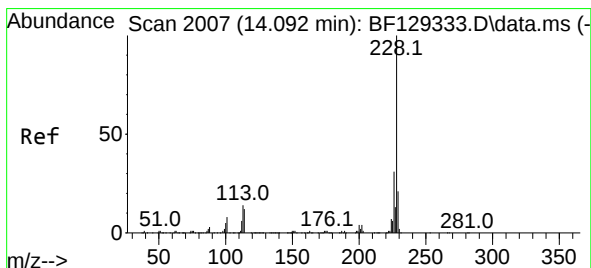
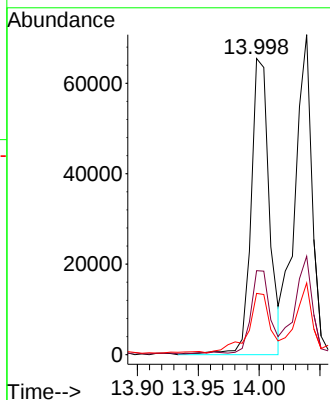
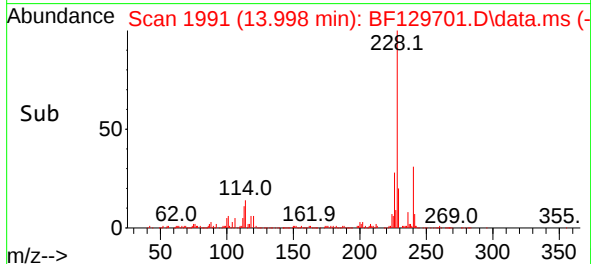
Instrument :
BNA_F
ClientSampleId :
RBR-200051



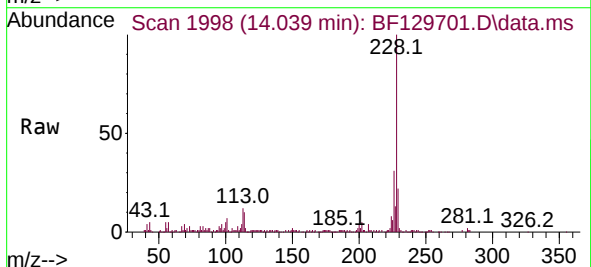
Tgt Ion:228 Resp: 68476
Ion Ratio Lower Upper
228 100
226 28.3 22.1 33.1
229 20.7 15.8 23.8

Manual Integrations
APPROVED

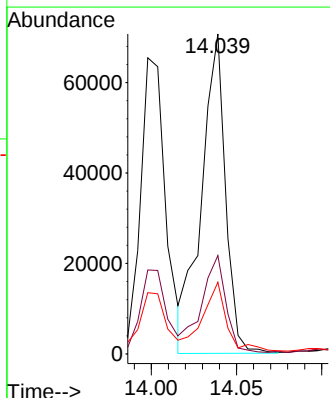
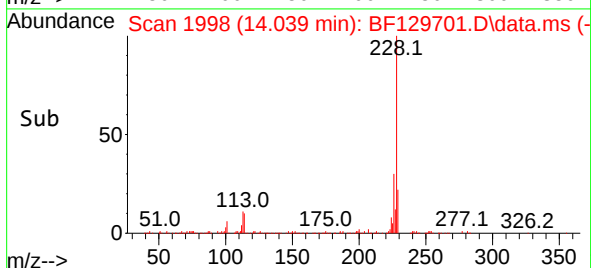
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

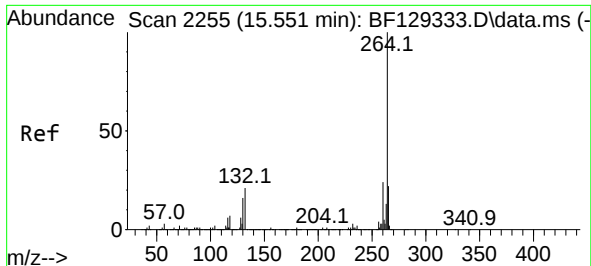


#83
Chrysene
Concen: 3.829 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13



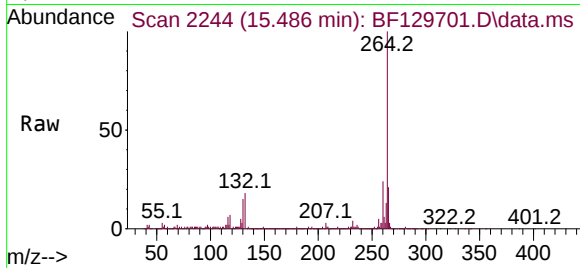
Tgt Ion:228 Resp: 69487
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 22.4 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

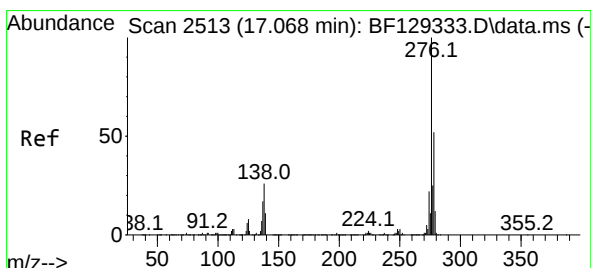
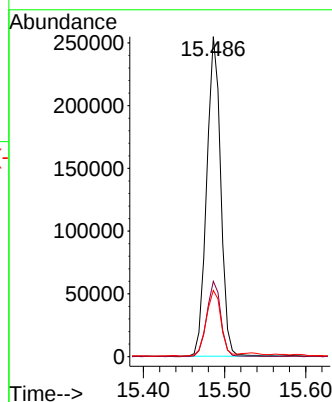
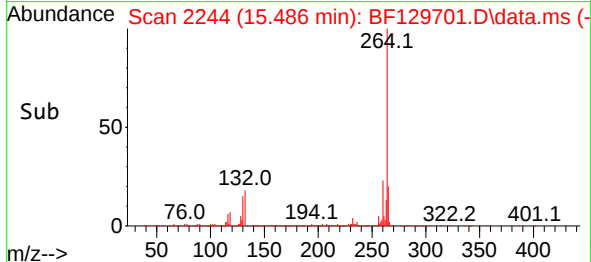
Instrument :
BNA_F
ClientSampleId :
RBR-200051



Tgt Ion:264 Resp: 30551
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 20.7 17.2 25.8

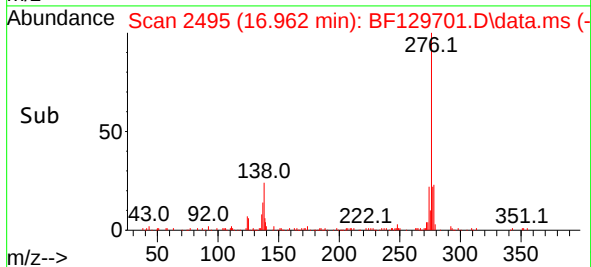
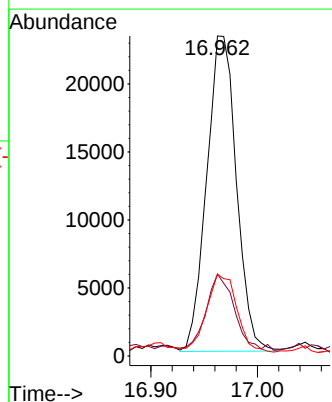
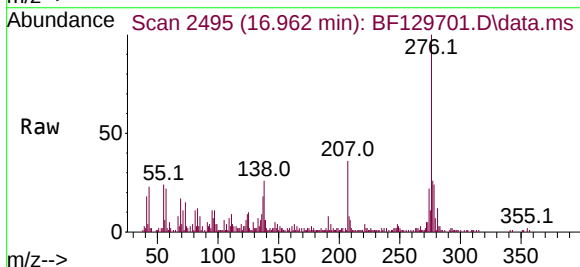
Manual Integrations
APPROVED

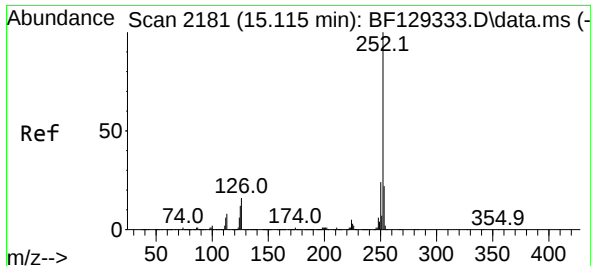
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.192 ng
RT: 16.962 min Scan# 2495
Delta R.T. -0.035 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Tgt Ion:276 Resp: 45096
Ion Ratio Lower Upper
276 100
138 22.4 21.1 31.7
277 25.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 5.174 ng m

RT: 15.057 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF129701.D

Acq: 10 Aug 2022 18:13

Instrument :

BNA_F

ClientSampleId :

RBR-200051

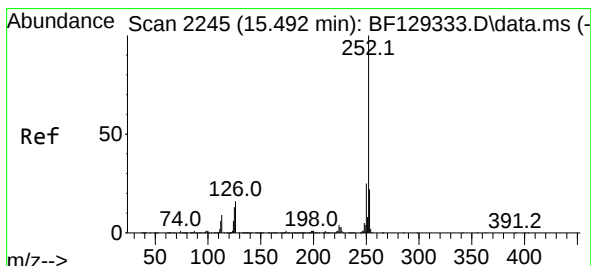
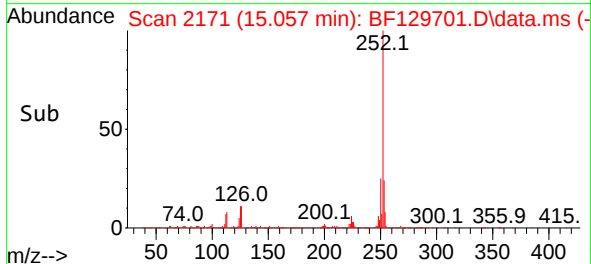
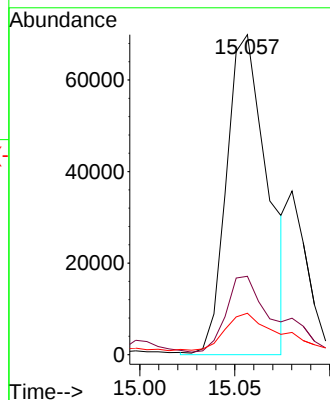
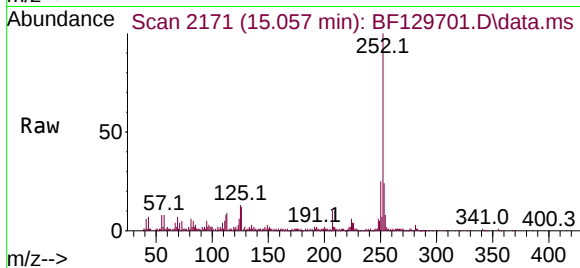
Tgt Ion:252 Resp: 104859
 Ion Ratio Lower Upper
 252 100
 253 24.5 17.7 26.5
 125 12.9 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/11/2022

Supervised By :Jagrut Upadhyay 08/11/2022



#90

Benzo(a)pyrene

Concen: 4.195 ng

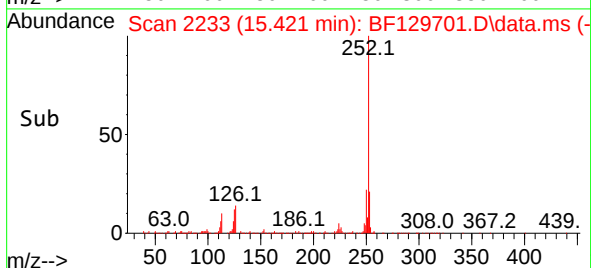
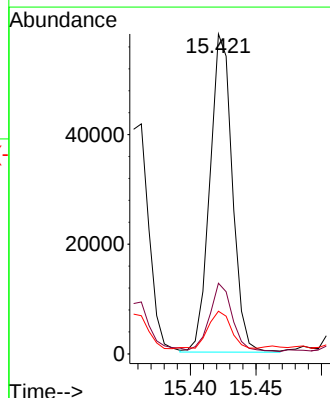
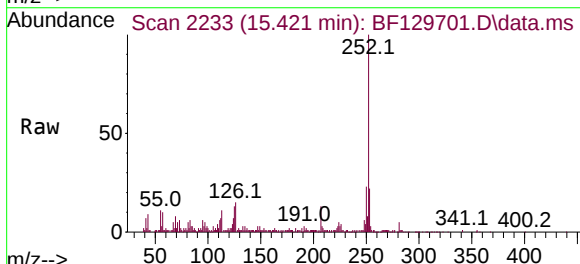
RT: 15.421 min Scan# 2233

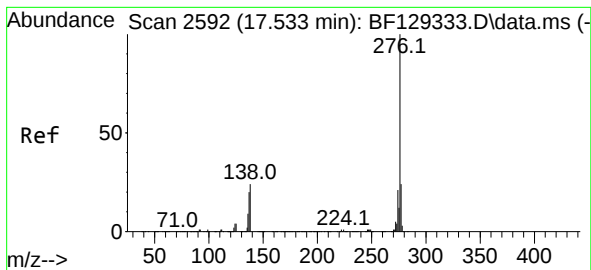
Delta R.T. -0.018 min

Lab File: BF129701.D

Acq: 10 Aug 2022 18:13

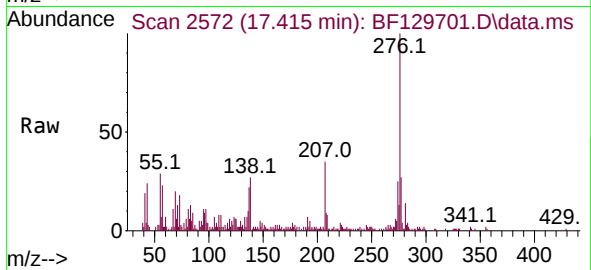
Tgt Ion:252 Resp: 69013
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.0 25.6
 125 13.3 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 2.433 ng
RT: 17.415 min Scan# 2572
Delta R.T. -0.035 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Instrument :
BNA_F
ClientSampleId :
RBR-200051



Tgt Ion: 276 Resp: 41628
Ion Ratio Lower Upper
276 100
277 27.0 19.1 28.7
138 27.2 18.0 27.0

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 08/11/2022
Supervised By : Jagrut Upadhyay 08/11/2022

