

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
 Data File : BF129420.D
 Acq On : 28 Jul 2022 21:24
 Operator : CG\JU
 Sample : N3942-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11977

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/29/2022
 Supervised By : Jagrut Upadhyay 07/29/2022

Quant Time: Jul 29 02:09:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 17:24:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	206494	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	815313	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	419199	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	594107	20.000	ng	0.00
76) Chrysene-d12	14.057	240	365555	20.000	ng	-0.01
86) Perylene-d12	15.551	264	382260	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1308389	103.217	ng	0.02
7) Phenol-d6	6.522	99	1670829	104.865	ng	0.00
23) Nitrobenzene-d5	7.451	82	1076830	72.098	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	373623	92.704	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1864671	68.811	ng	0.00
79) Terphenyl-d14	12.998	244	1330021	68.641	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.957	154	66953	2.728	ng	100
71) Phenanthrene	11.439	178	207327	6.393	ng	98
75) Fluoranthene	12.627	202	340137	10.351	ng	99
78) Pyrene	12.857	202	335058	10.961	ng	98
81) Benzo(a)anthracene	14.045	228	145000	5.807	ng	95
83) Chrysene	14.086	228	173258	7.362	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	164446	9.421	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	108807	4.227	ng	96
88) Benzo(b)fluoranthene	15.110	252	397355m	15.671	ng	
89) Benzo(k)fluoranthene	15.139	252	89234m	3.591	ng	
90) Benzo(a)pyrene	15.486	252	174779	8.491	ng	99
92) Benzo(g,h,i)perylene	17.515	276	94691	4.423	ng	98

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

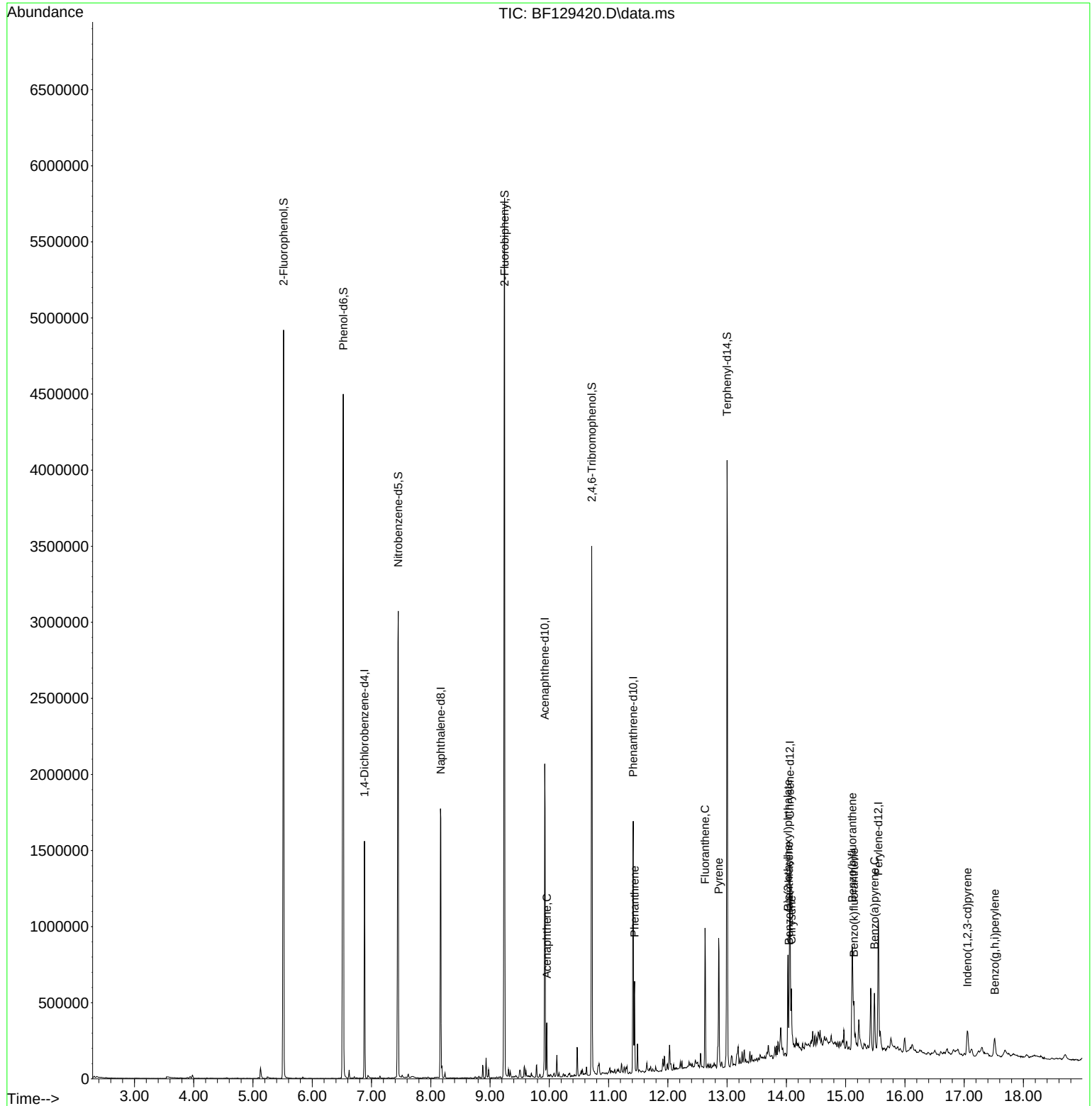
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
Data File : BF129420.D
Acq On : 28 Jul 2022 21:24
Operator : CG\JU
Sample : N3942-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

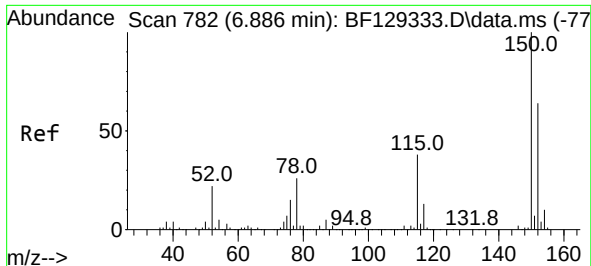
Instrument :
BNA_F
ClientSampleId :
72-11977

Quant Time: Jul 29 02:09:42 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 25 17:24:17 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

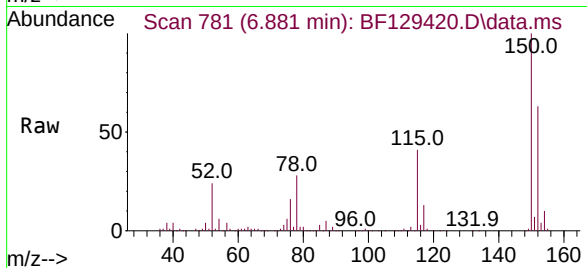
Reviewed By : Christian Giraldo 07/29/2022
Supervised By : Jagrut Upadhyay 07/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 781
Delta R.T. -0.005 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

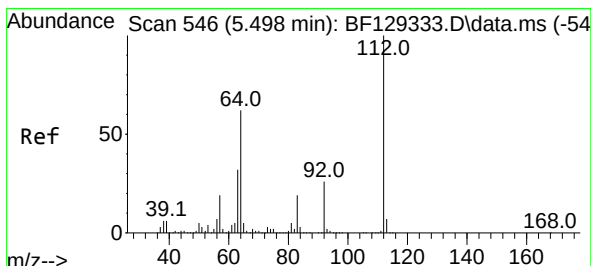
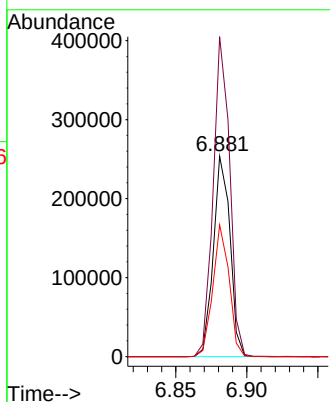
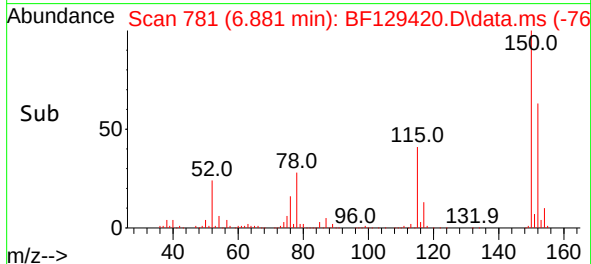
Instrument :
BNA_F
ClientSampleId :
72-11977



Tgt Ion:152 Resp: 206494
Ion Ratio Lower Upper
152 100
150 159.7 123.7 185.5
115 65.7 49.9 74.9

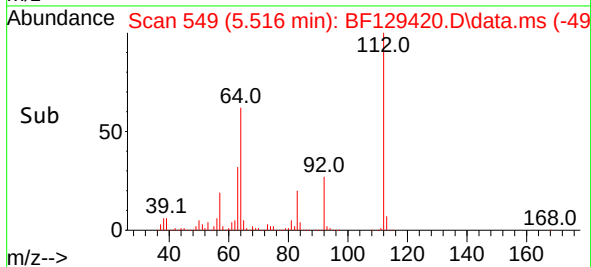
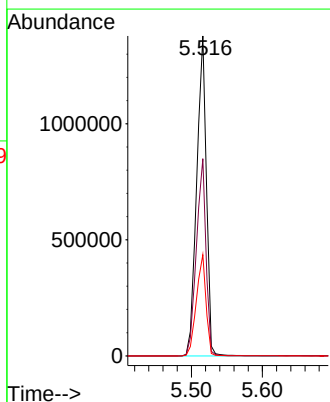
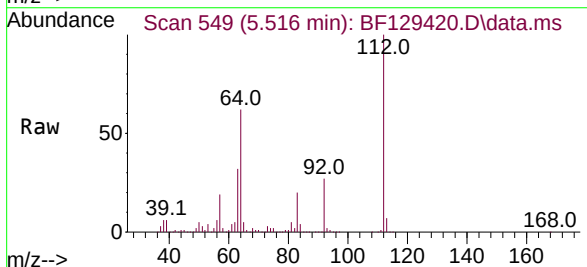
Manual Integrations
APPROVED

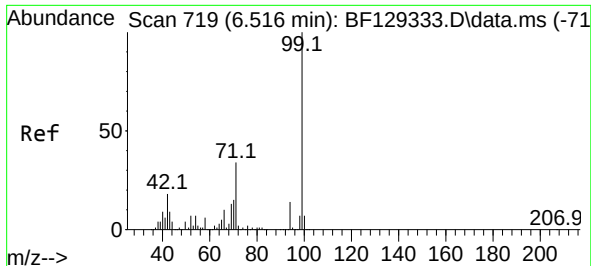
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#5
2-Fluorophenol
Concen: 103.217 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.018 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

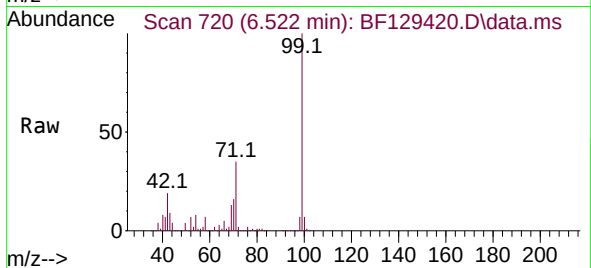
Tgt Ion:112 Resp: 1308389
Ion Ratio Lower Upper
112 100
64 61.7 53.3 79.9
63 31.6 28.0 42.0





#7
Phenol-d6
Concen: 104.865 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

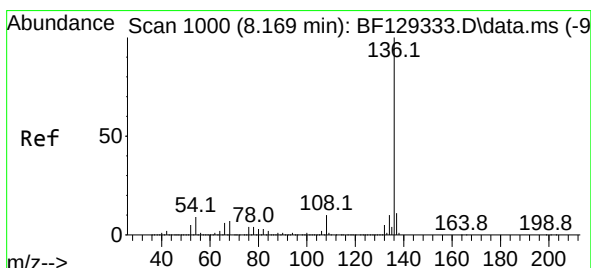
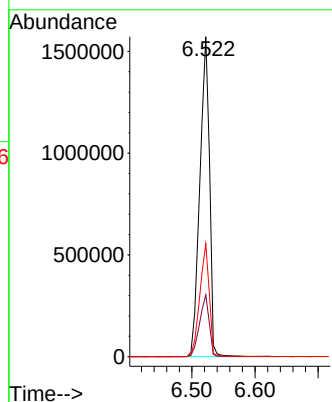
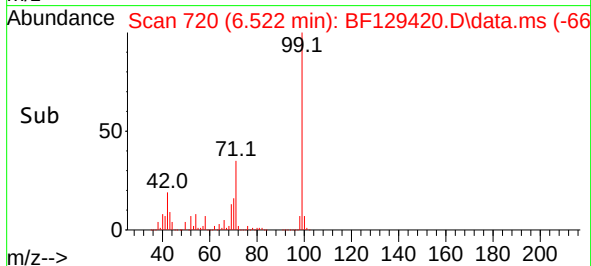
Instrument :
BNA_F
ClientSampleId :
72-11977



Tgt Ion: 99 Resp: 1670829
Ion Ratio Lower Upper
99 100
42 19.3 17.3 25.9
71 35.3 28.9 43.3

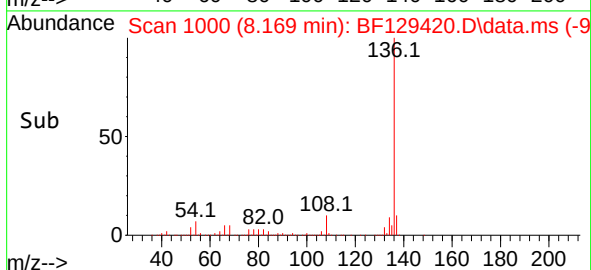
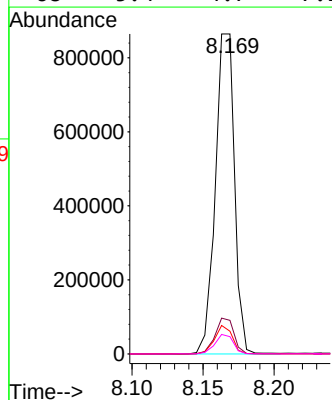
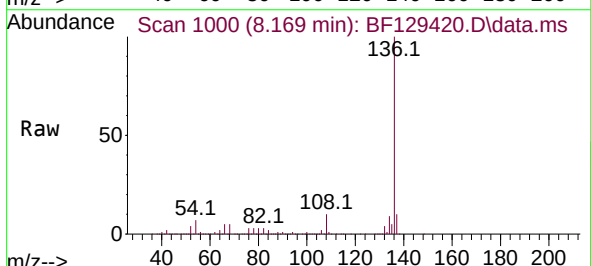
Manual Integrations
APPROVED

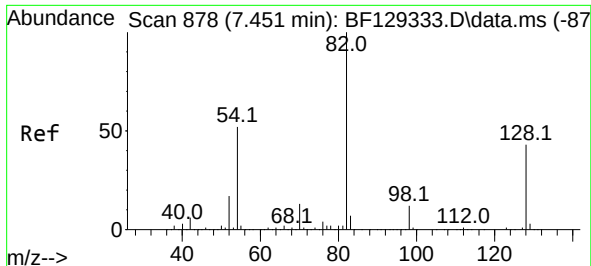
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

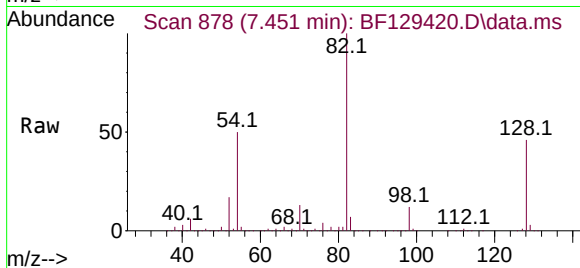
Tgt Ion:136 Resp: 815313
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 7.1 7.5 11.3#
68 5.4 4.7 7.1





#23
Nitrobenzene-d5
Concen: 72.098 ng
RT: 7.451 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

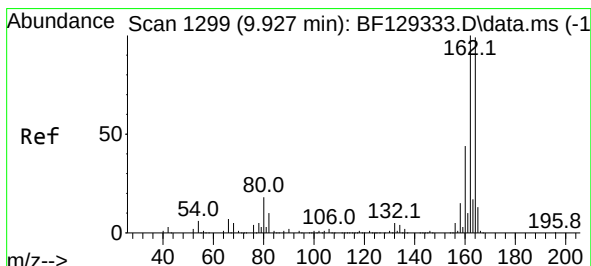
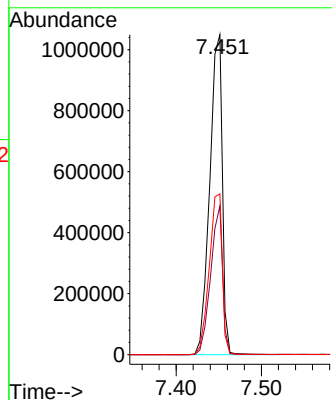
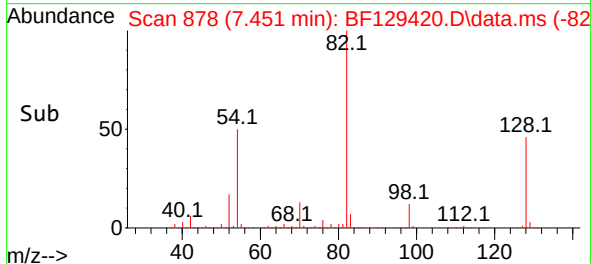
Instrument :
BNA_F
ClientSampleId :
72-11977



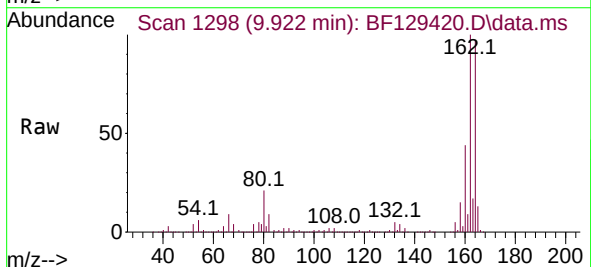
Tgt Ion: 82 Resp: 1076830
Ion Ratio Lower Upper
82 100
128 46.4 34.0 51.0
54 50.2 46.9 70.3

Manual Integrations
APPROVED

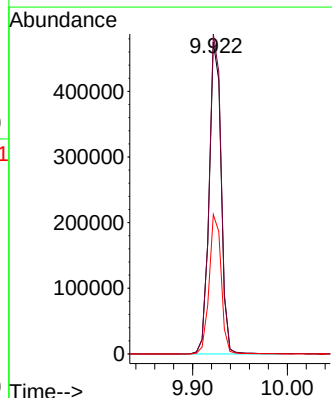
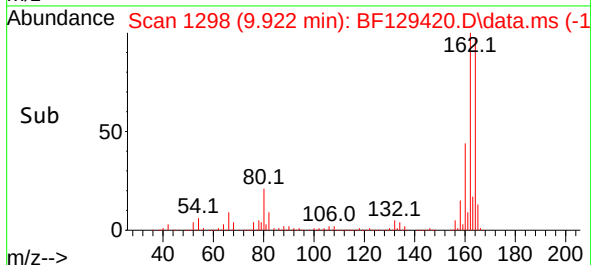
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

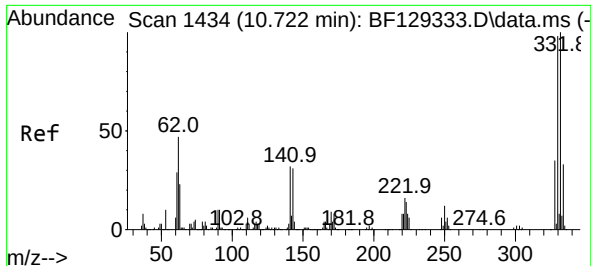


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24



Tgt Ion:164 Resp: 419199
Ion Ratio Lower Upper
164 100
162 102.6 79.5 119.3
160 44.7 34.2 51.4





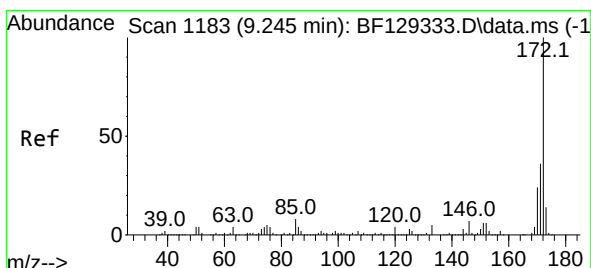
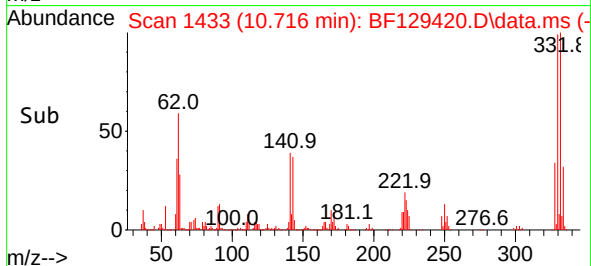
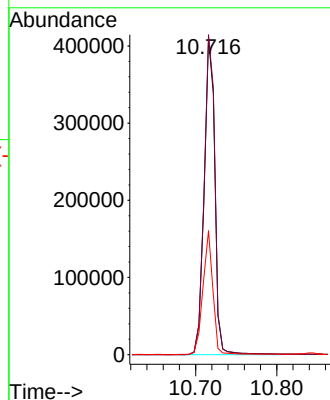
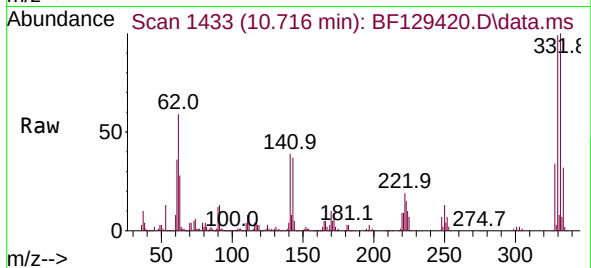
#42
2,4,6-Tribromophenol
Concen: 92.704 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

Instrument :
BNA_F
ClientSampleId :
72-11977

Tgt Ion: 330 Resp: 373623
Ion Ratio Lower Upper
330 100
332 102.5 76.8 115.2
141 36.7 28.0 42.0

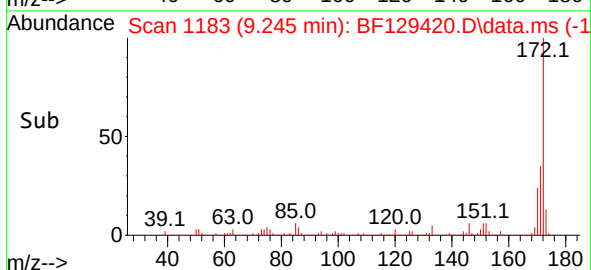
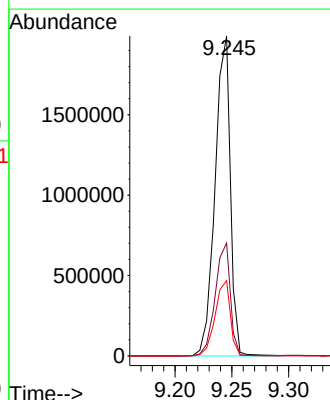
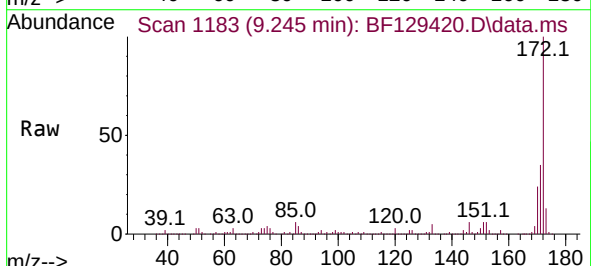
Manual Integrations
APPROVED

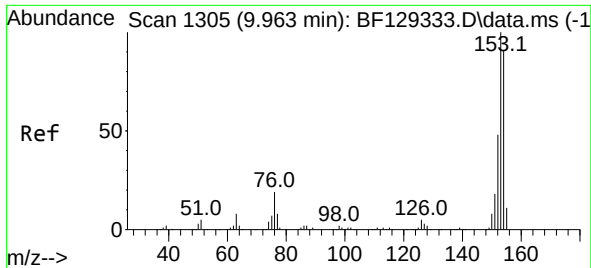
Reviewed By : Christian Giraldo 07/29/2022
Supervised By : Jagrut Upadhyay 07/29/2022



#45
2-Fluorobiphenyl
Concen: 68.811 ng
RT: 9.245 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

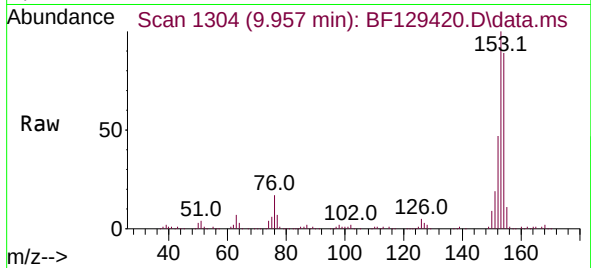
Tgt Ion: 172 Resp: 1864671
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.5 19.8 29.8





#52
Acenaphthene
Concen: 2.728 ng
RT: 9.957 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

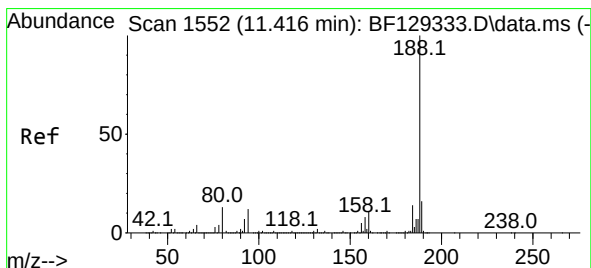
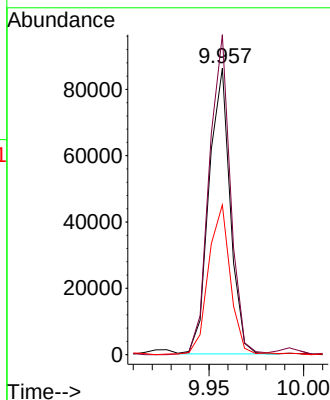
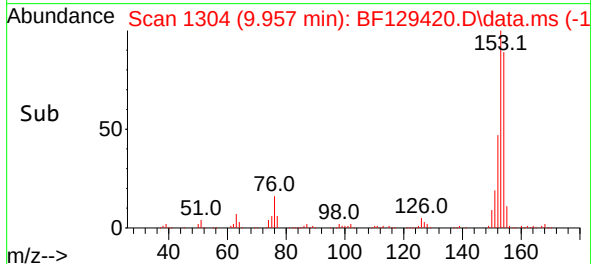
Instrument :
BNA_F
ClientSampleId :
72-11977



Tgt Ion:154 Resp: 66953
Ion Ratio Lower Upper
154 100
153 111.8 89.6 134.4
152 52.3 42.4 63.6

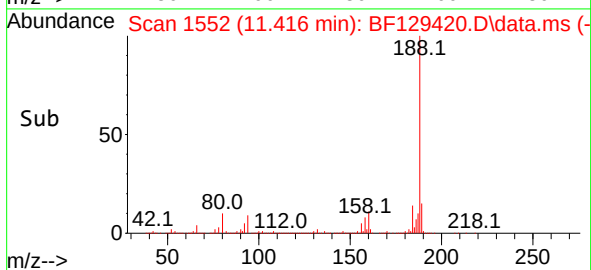
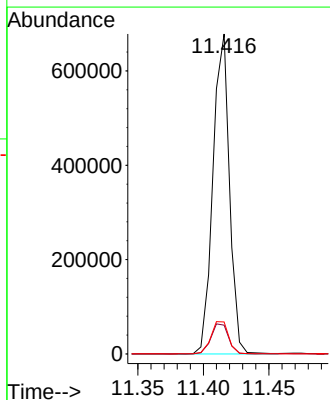
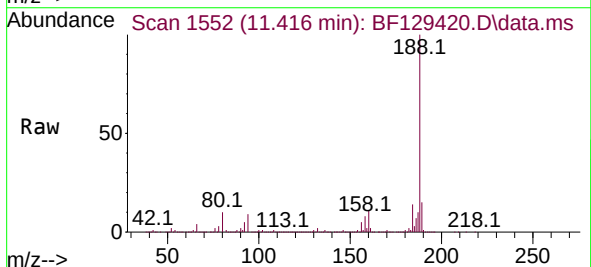
Manual Integrations
APPROVED

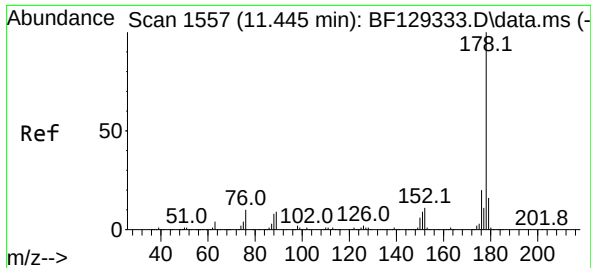
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1552
Delta R.T. 0.000 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

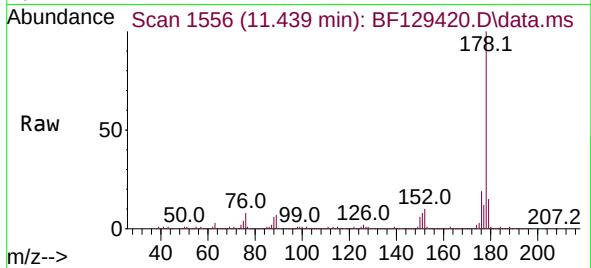
Tgt Ion:188 Resp: 594107
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 10.0 7.6 11.4





#71
Phenanthrene
Concen: 6.393 ng
RT: 11.439 min Scan# 11556
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

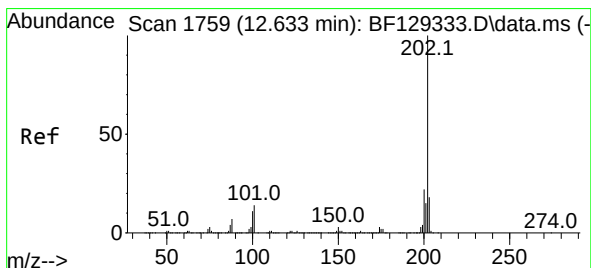
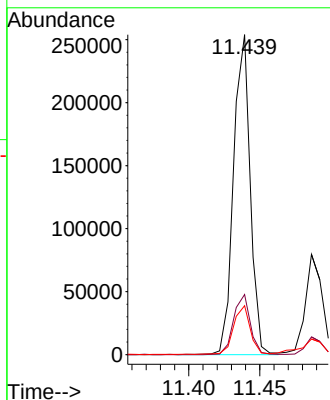
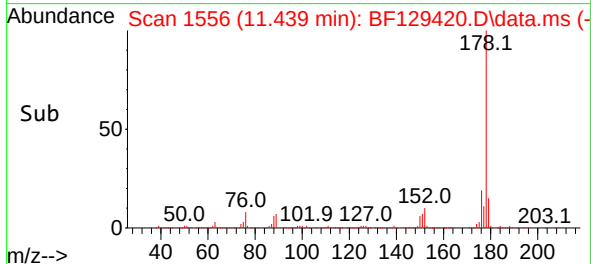
Instrument :
BNA_F
ClientSampleId :
72-11977



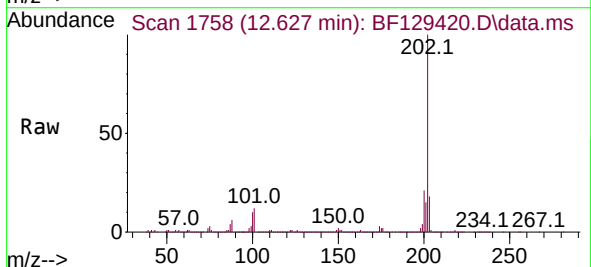
Tgt Ion:178 Resp: 207327
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 15.3 12.6 19.0

Manual Integrations
APPROVED

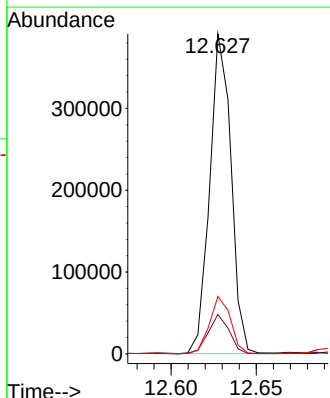
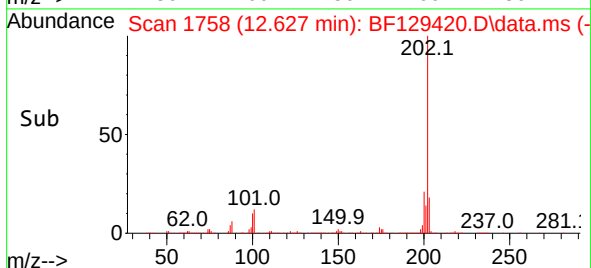
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

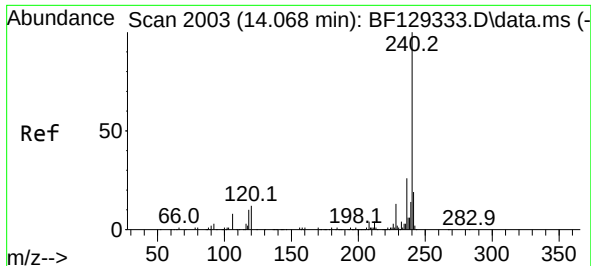


#75
Fluoranthene
Concen: 10.351 ng
RT: 12.627 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24



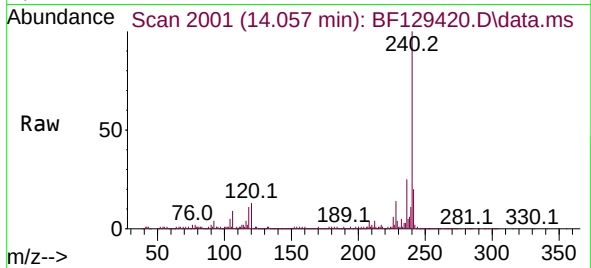
Tgt Ion:202 Resp: 340137
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.4
203 17.9 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

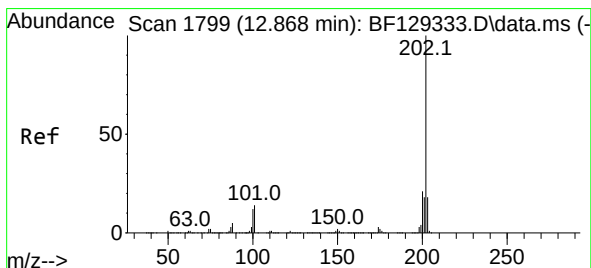
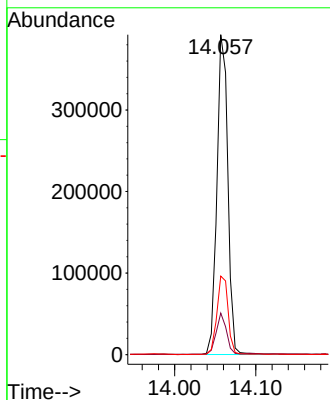
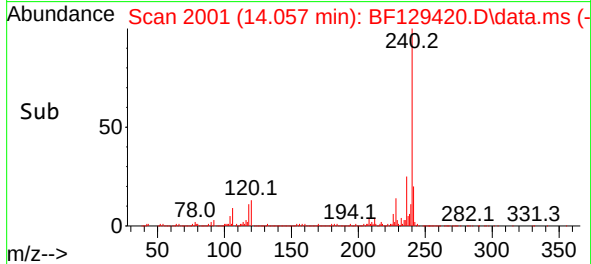
Instrument :
BNA_F
ClientSampleId :
72-11977



Tgt Ion:240 Resp: 365558
Ion Ratio Lower Upper
240 100
120 13.0 8.9 13.3
236 24.5 20.8 31.2

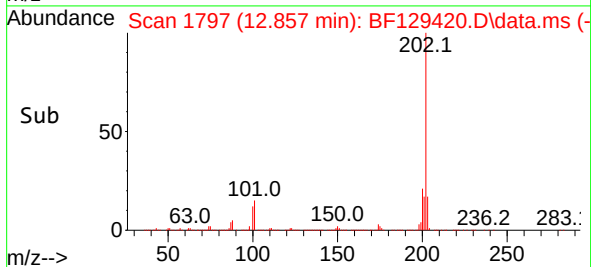
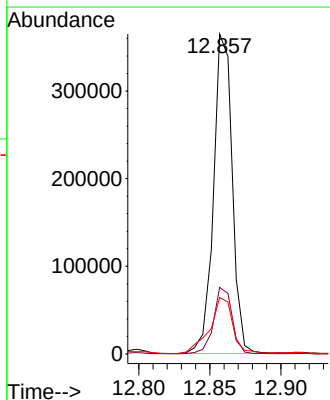
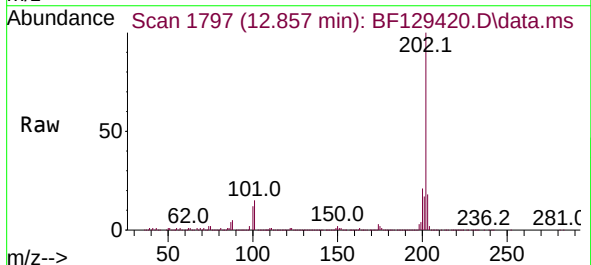
Manual Integrations
APPROVED

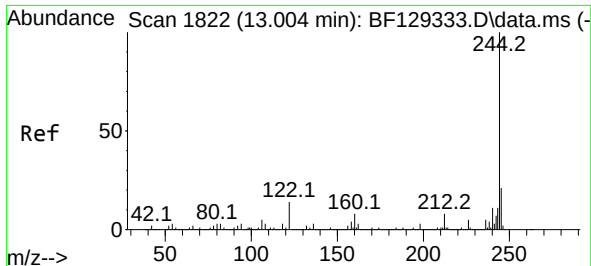
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#78
Pyrene
Concen: 10.961 ng
RT: 12.857 min Scan# 1797
Delta R.T. -0.012 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

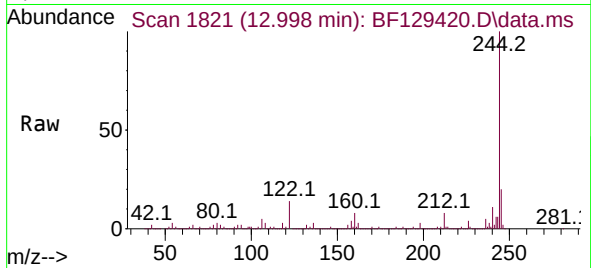
Tgt Ion:202 Resp: 335058
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 17.6 14.6 21.8





#79
 Terphenyl-d14
 Concen: 68.641 ng
 RT: 12.998 min Scan# 1822
 Delta R.T. -0.006 min
 Lab File: BF129420.D
 Acq: 28 Jul 2022 21:24

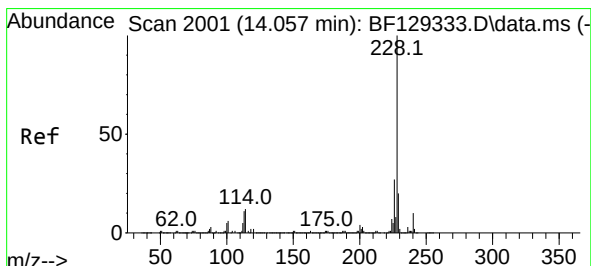
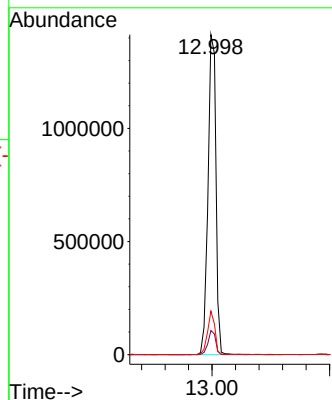
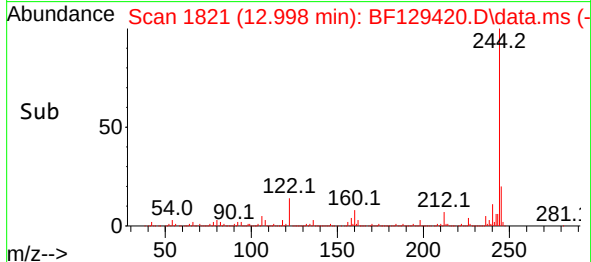
Instrument :
 BNA_F
 ClientSampleId :
 72-11977



Tgt Ion:244 Resp: 1330021
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 13.6 8.8 13.2

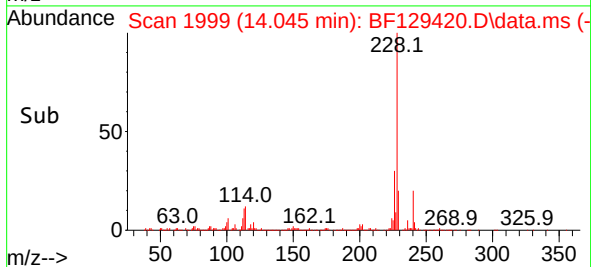
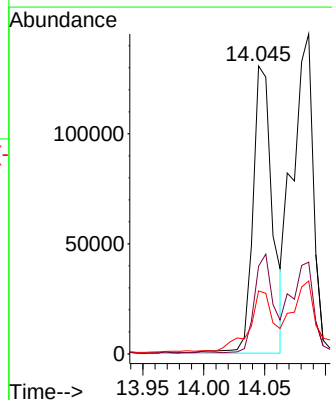
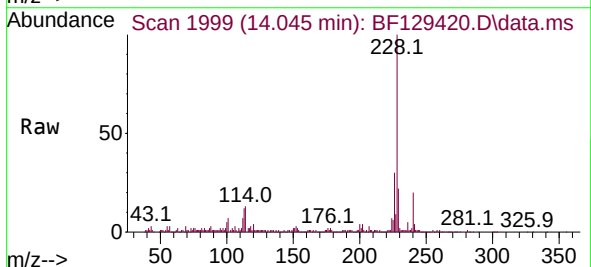
Manual Integrations
 APPROVED

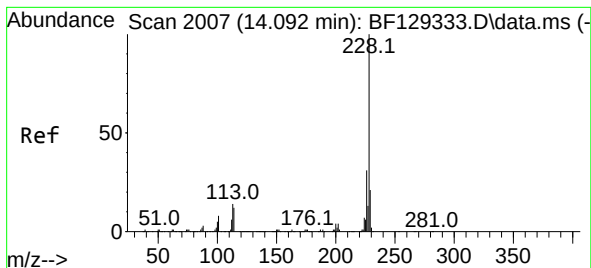
Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022



#81
 Benzo(a)anthracene
 Concen: 5.807 ng
 RT: 14.045 min Scan# 1999
 Delta R.T. -0.012 min
 Lab File: BF129420.D
 Acq: 28 Jul 2022 21:24

Tgt Ion:228 Resp: 145000
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.1 33.1
 229 21.8 15.8 23.8





#83

Chrysene

Concen: 7.362 ng

RT: 14.086 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF129420.D

Acq: 28 Jul 2022 21:24

Instrument :

BNA_F

ClientSampleId :

72-11977

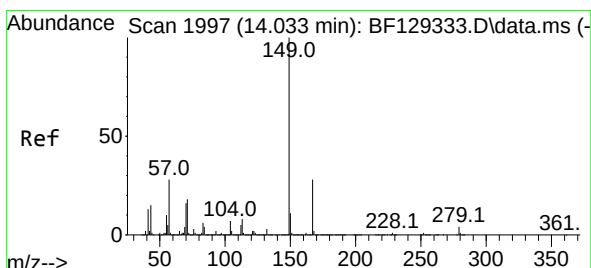
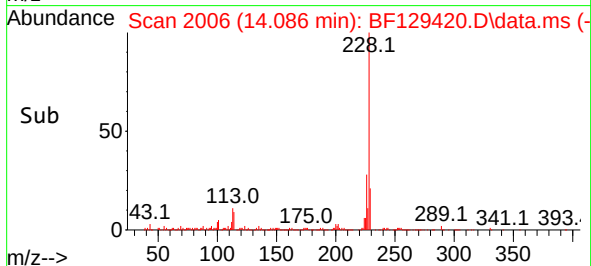
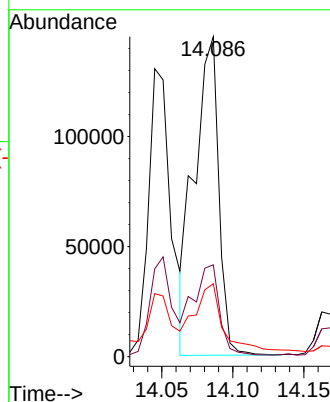
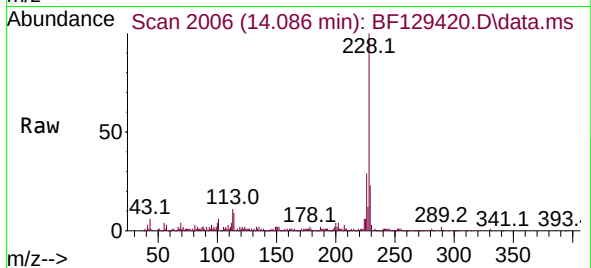
Tgt Ion:228	Resp: 173258
Ion Ratio	Lower Upper
228 100	
226 28.7	24.3 36.5
229 22.8	15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.421 ng

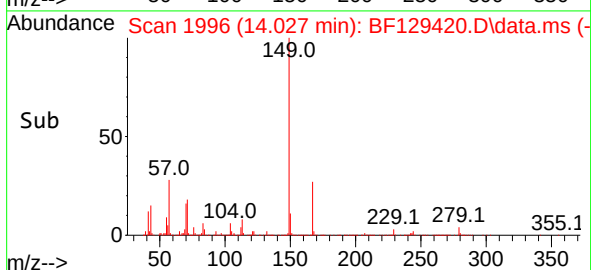
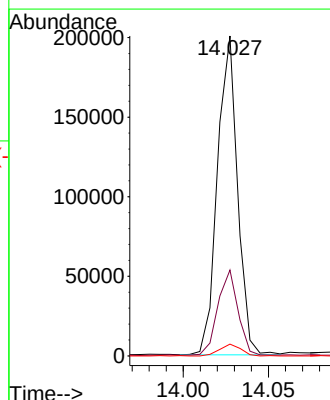
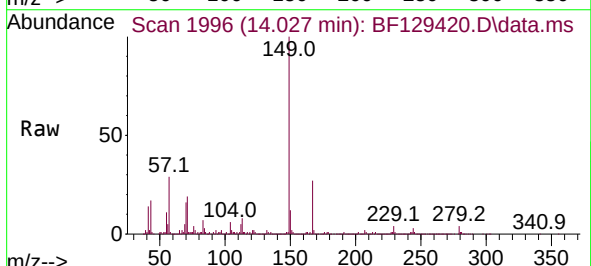
RT: 14.027 min Scan# 1996

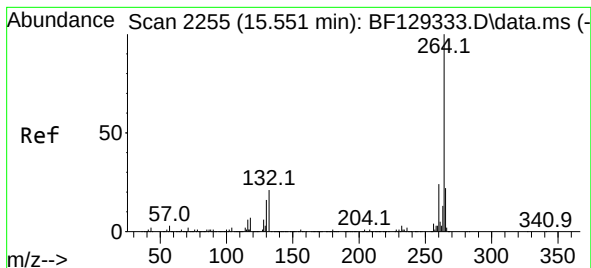
Delta R.T. -0.006 min

Lab File: BF129420.D

Acq: 28 Jul 2022 21:24

Tgt Ion:149	Resp: 164446
Ion Ratio	Lower Upper
149 100	
167 26.8	21.0 31.4
279 3.7	3.1 4.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129420.D

Acq: 28 Jul 2022 21:24

Instrument :

BNA_F

ClientSampleId :

72-11977

Tgt Ion:264 Resp: 382260

Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

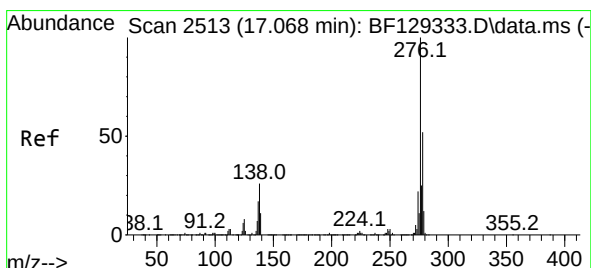
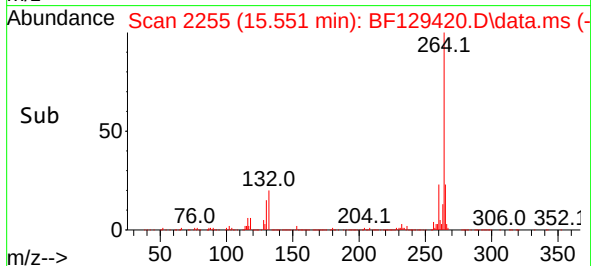
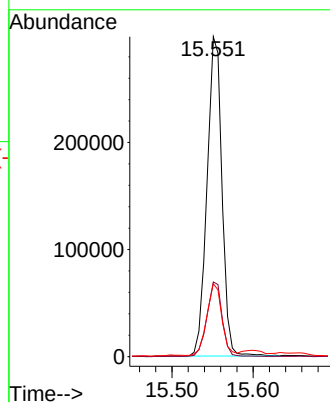
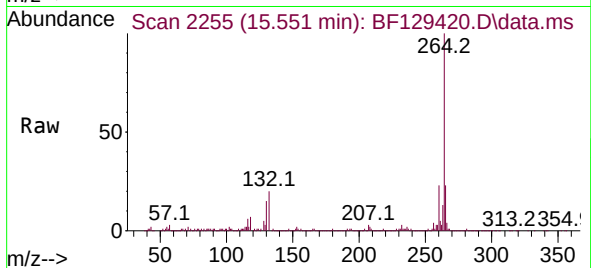
265 22.8 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.227 ng

RT: 17.051 min Scan# 2510

Delta R.T. -0.017 min

Lab File: BF129420.D

Acq: 28 Jul 2022 21:24

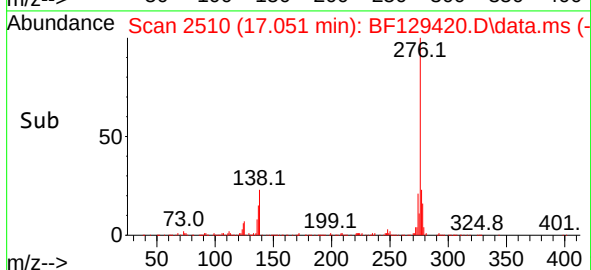
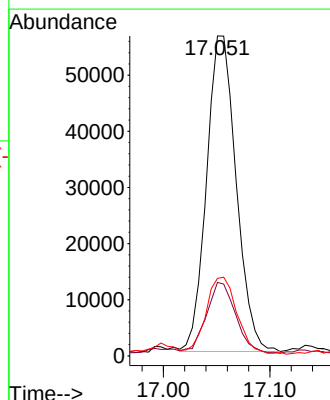
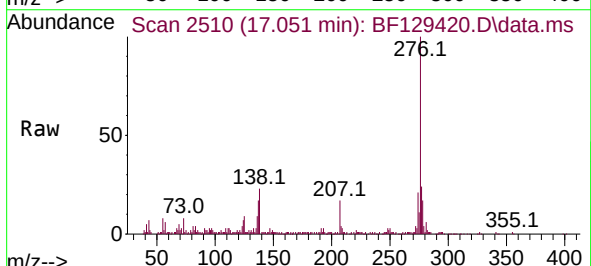
Tgt Ion:276 Resp: 108807

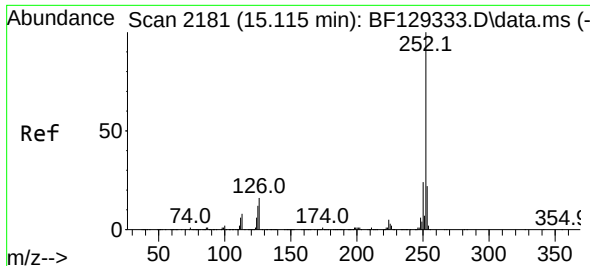
Ion Ratio Lower Upper

276 100

138 22.4 21.1 31.7

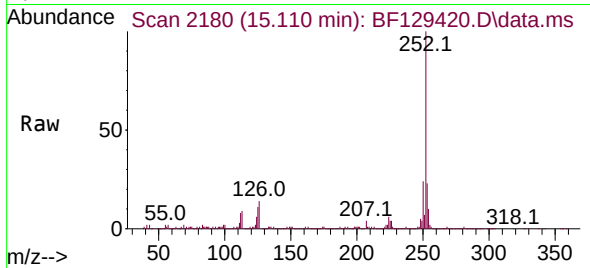
277 25.8 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 15.671 ng m
RT: 15.110 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

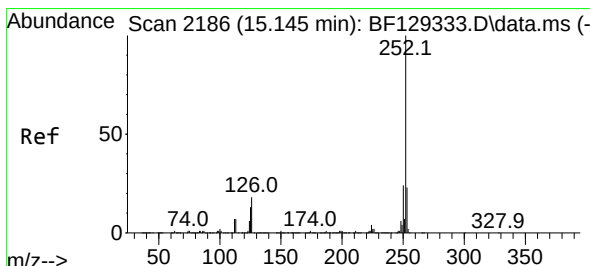
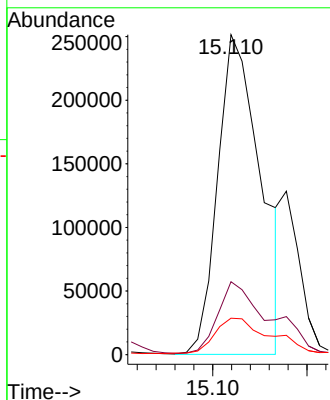
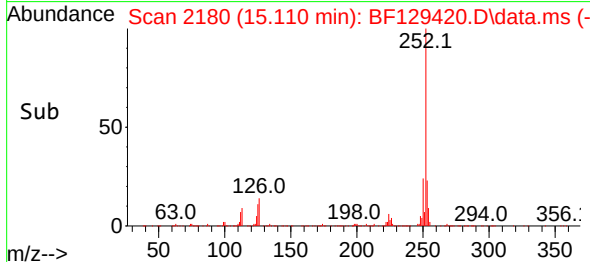
Instrument :
BNA_F
ClientSampleId :
72-11977



Tgt Ion:252 Resp: 39735
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 11.4 8.0 12.0

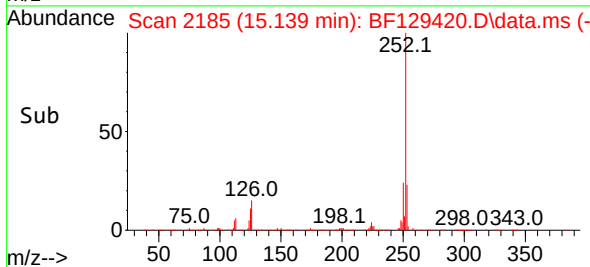
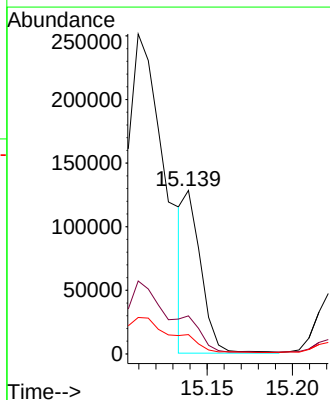
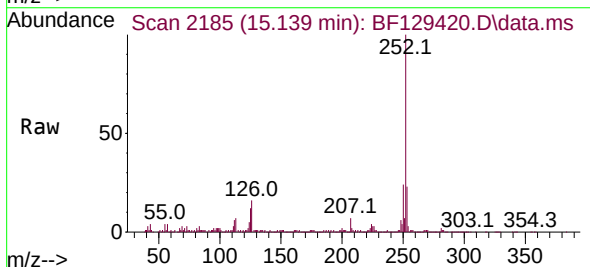
Manual Integrations
APPROVED

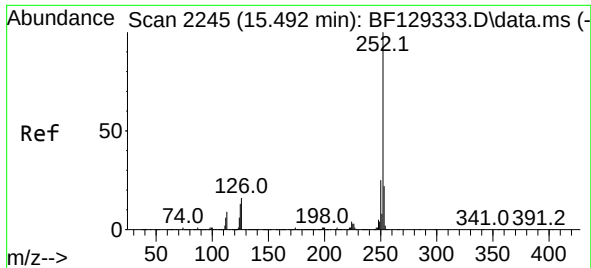
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#89
Benzo(k)fluoranthene
Concen: 3.591 ng m
RT: 15.139 min Scan# 2185
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

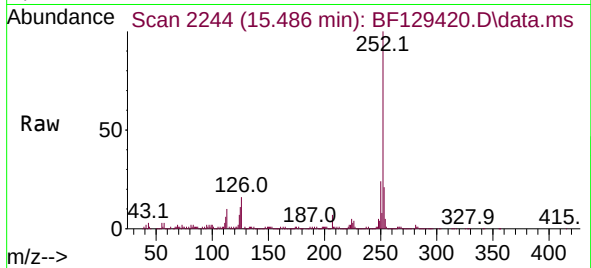
Tgt Ion:252 Resp: 89234
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 11.8 8.3 12.5





#90
Benzo(a)pyrene
Concen: 8.491 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

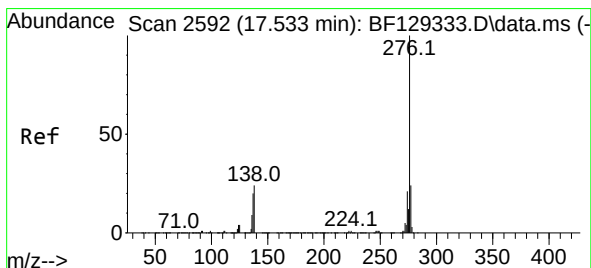
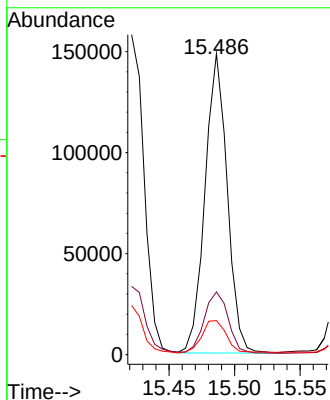
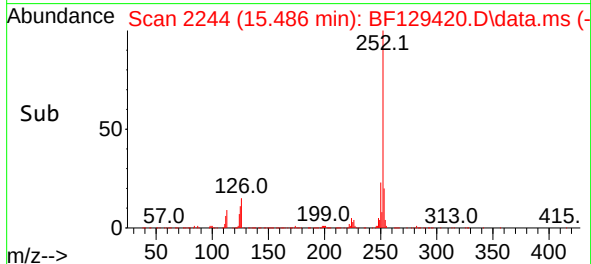
Instrument :
BNA_F
ClientSampleId :
72-11977



Tgt Ion:252 Resp: 174779
Ion Ratio Lower Upper
252 100
253 20.8 17.0 25.6
125 11.3 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#92
Benzo(g,h,i)perylene
Concen: 4.423 ng
RT: 17.515 min Scan# 2589
Delta R.T. -0.017 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

Tgt Ion:276 Resp: 94691
Ion Ratio Lower Upper
276 100
277 22.8 19.1 28.7
138 22.0 18.0 27.0

