

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129679.D
 Acq On : 09 Aug 2022 22:17
 Operator : CG\JU
 Sample : N3962-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-200

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 10 05:35:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	178575	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	689358	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	346830	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	517368	20.000	ng	-0.01
76) Chrysene-d12	14.016	240	299283	20.000	ng	-0.01
86) Perylene-d12	15.492	264	292496	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1108745	101.142	ng	0.00
7) Phenol-d6	6.493	99	1394778	101.226	ng	-0.01
23) Nitrobenzene-d5	7.404	82	890846	70.544	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	336789	101.001	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1587073	70.787	ng	-0.01
79) Terphenyl-d14	12.957	244	1245882	78.536	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	154651	5.476	ng	98
75) Fluoranthene	12.586	202	217228	7.591	ng	99
78) Pyrene	12.816	202	250665	10.016	ng	96
81) Benzo(a)anthracene	14.004	228	102460	5.012	ng	93
83) Chrysene	14.039	228	107641	5.587	ng	98
87) Indeno(1,2,3-cd)pyrene	16.974	276	70401	3.574	ng	97
88) Benzo(b)fluoranthene	15.063	252	131150m	6.760	ng	
89) Benzo(k)fluoranthene	15.086	252	48424m	2.547	ng	
90) Benzo(a)pyrene	15.427	252	104838	6.656	ng	97
92) Benzo(g,h,i)perylene	17.427	276	77323	4.720	ng	99

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

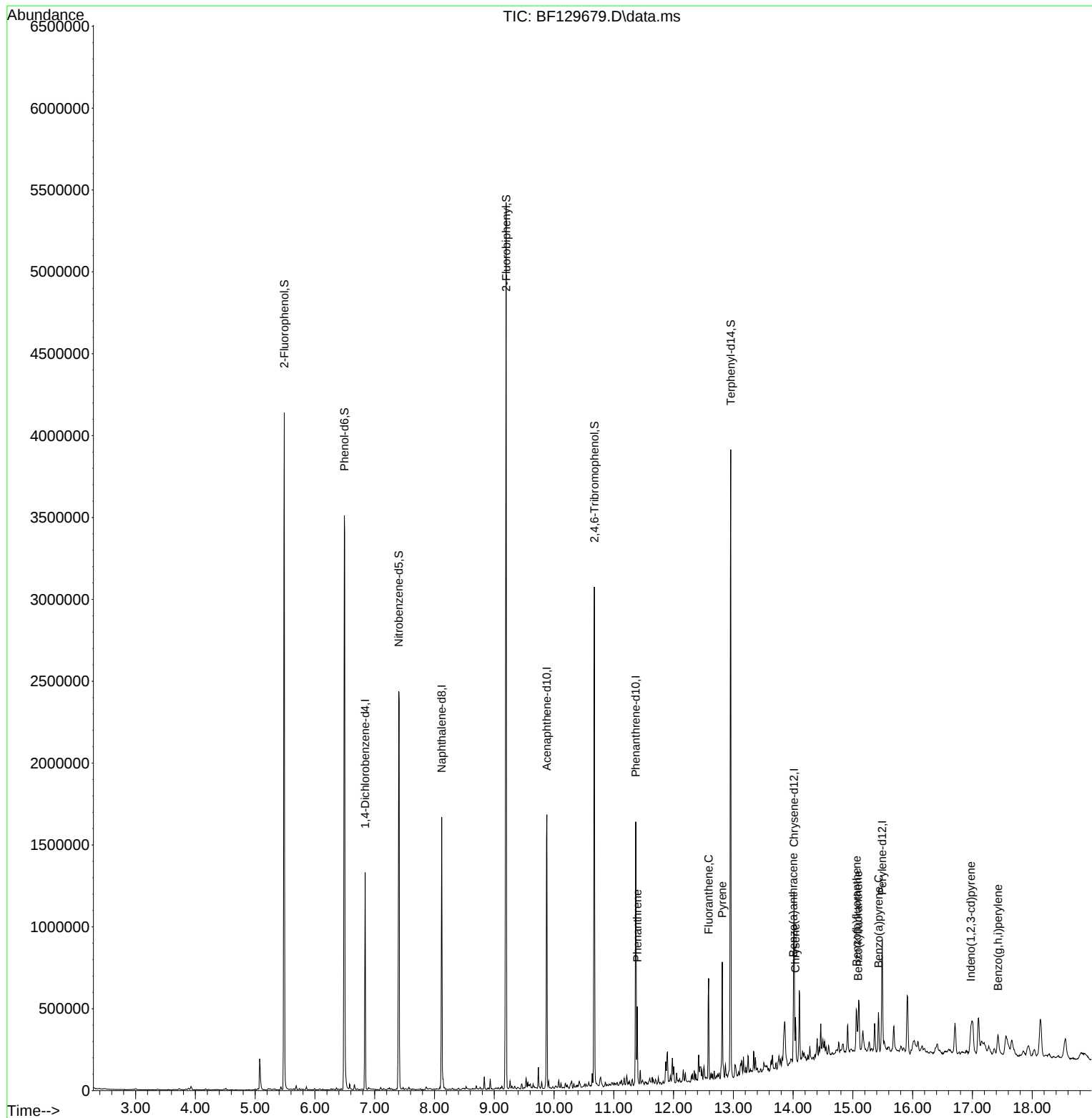
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
Data File : BF129679.D
Acq On : 09 Aug 2022 22:17
Operator : CG\JU
Sample : N3962-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

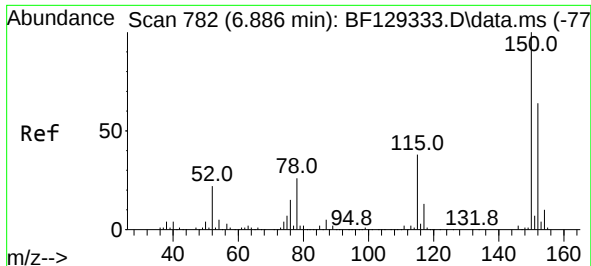
Instrument :
BNA_F
ClientSampleId :
RVE-200

Quant Time: Aug 10 05:35:42 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 16:27:34 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

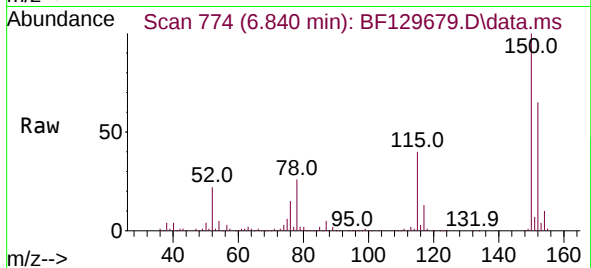
Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

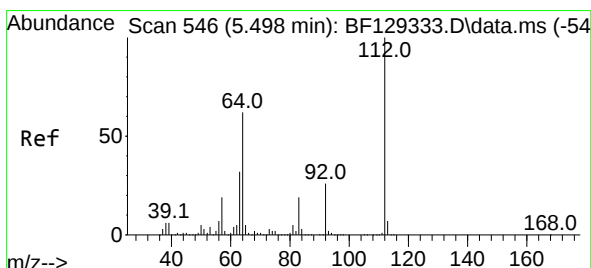
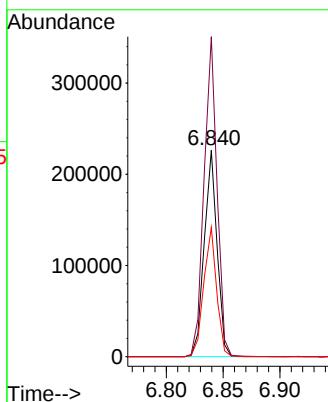
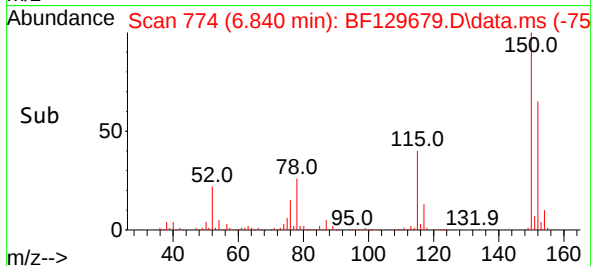
Instrument :
BNA_F
ClientSampleId :
RVE-200



Tgt Ion:152 Resp: 178575
Ion Ratio Lower Upper
152 100
150 154.9 123.7 185.5
115 62.5 49.9 74.9

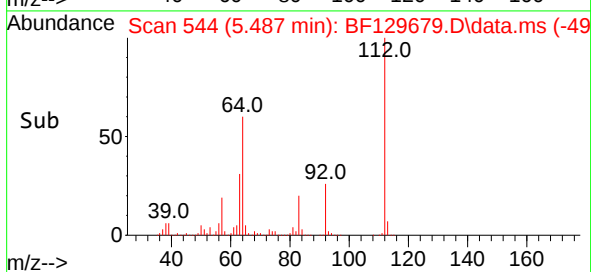
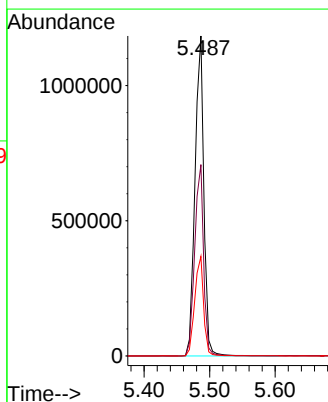
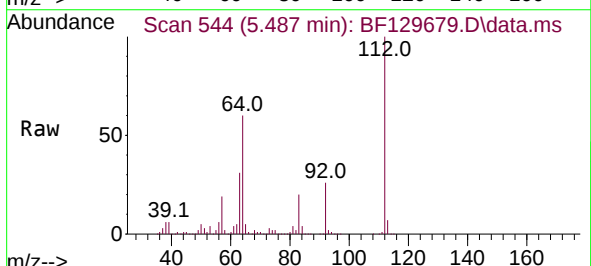
Manual Integrations
APPROVED

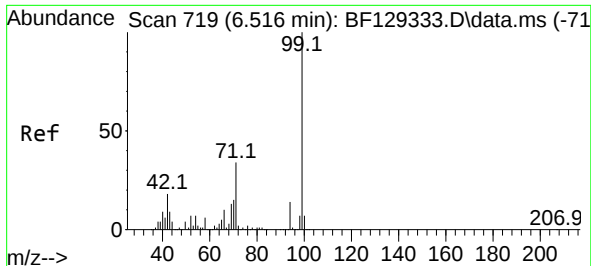
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#5
2-Fluorophenol
Concen: 101.142 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

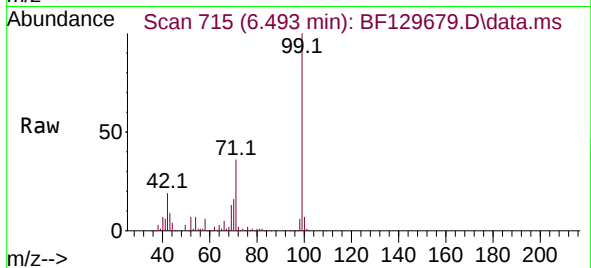
Tgt Ion:112 Resp: 1108745
Ion Ratio Lower Upper
112 100
64 59.8 53.3 79.9
63 31.1 28.0 42.0





#7
Phenol-d6
Concen: 101.226 ng
RT: 6.493 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

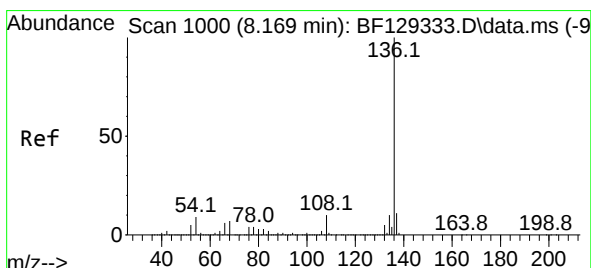
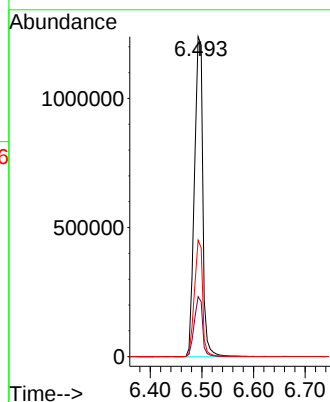
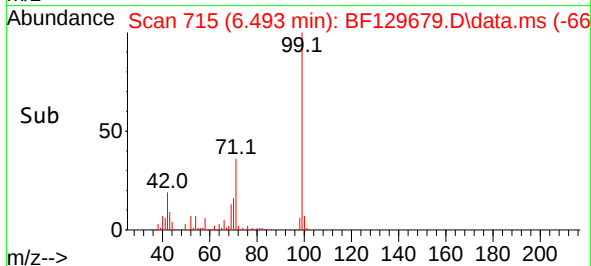
Instrument :
BNA_F
ClientSampleId :
RVE-200



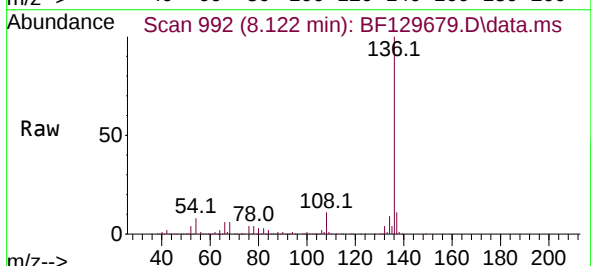
Tgt Ion: 99 Resp: 1394778
Ion Ratio Lower Upper
99 100
42 18.7 17.3 25.9
71 36.4 28.9 43.3

Manual Integrations
APPROVED

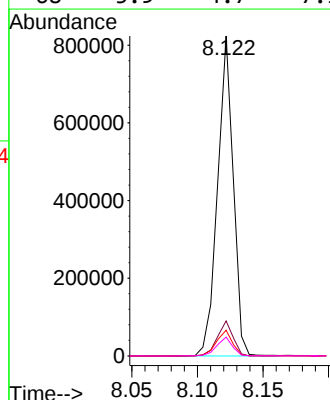
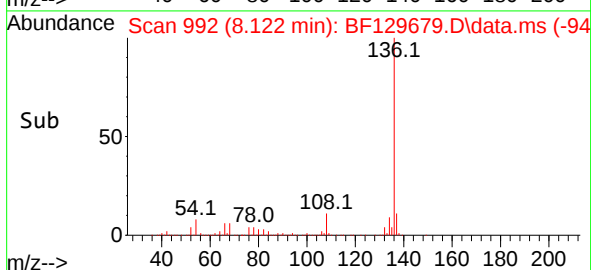
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

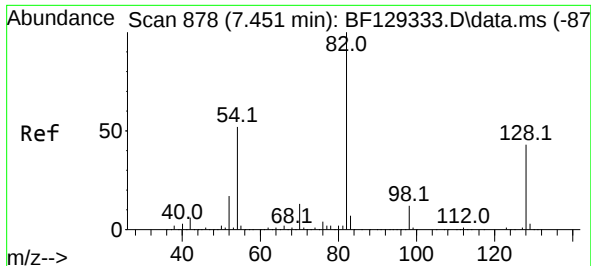


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17



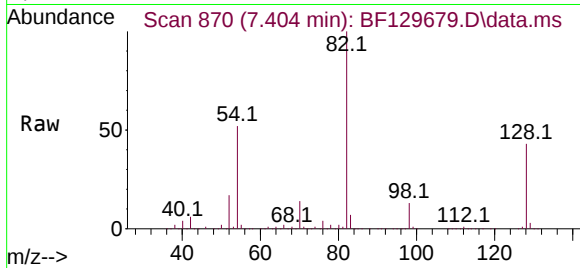
Tgt Ion:136 Resp: 689358
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.0 7.5 11.3
68 5.9 4.7 7.1





#23
Nitrobenzene-d5
Concen: 70.544 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

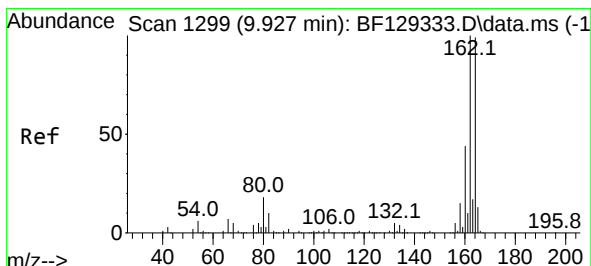
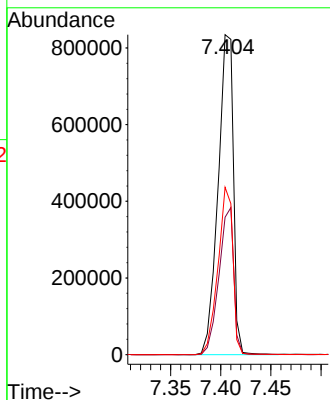
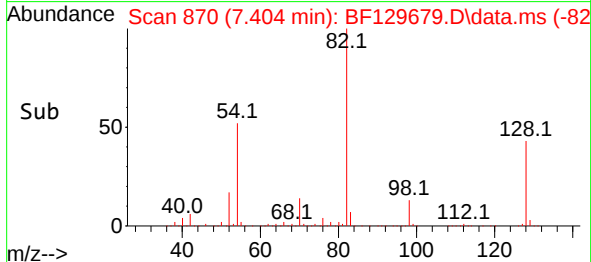
Instrument :
BNA_F
ClientSampleId :
RVE-200



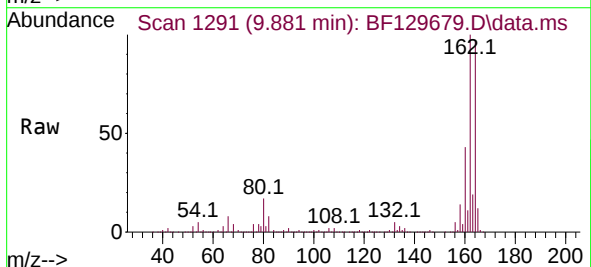
Tgt Ion: 82 Resp: 890846
Ion Ratio Lower Upper
82 100
128 42.9 34.0 51.0
54 52.3 46.9 70.3

Manual Integrations
APPROVED

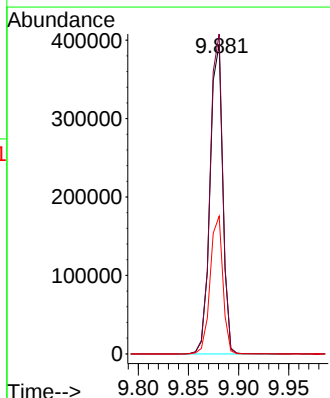
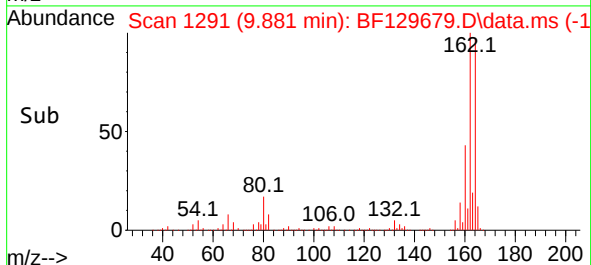
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

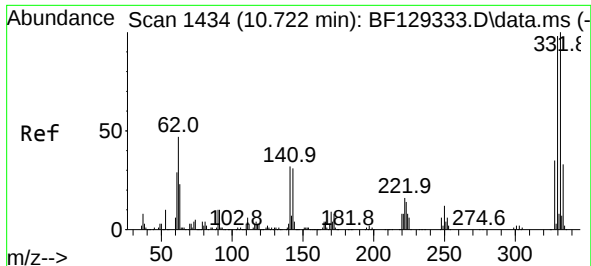


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17



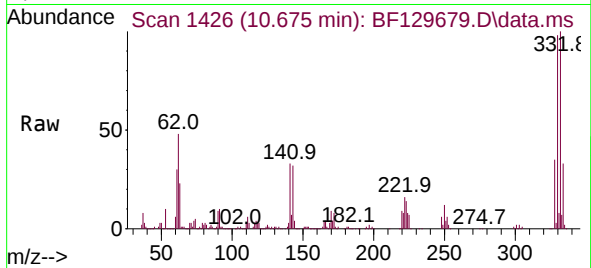
Tgt Ion:164 Resp: 346830
Ion Ratio Lower Upper
164 100
162 103.3 79.5 119.3
160 44.5 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 101.001 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

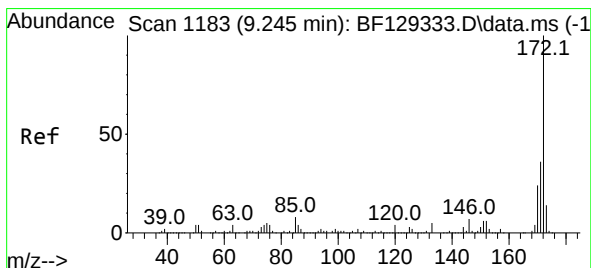
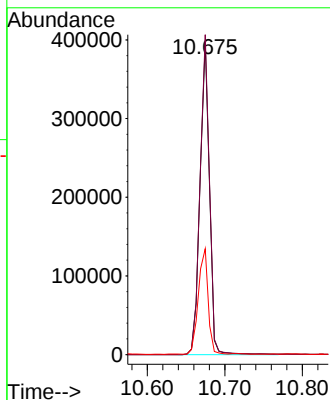
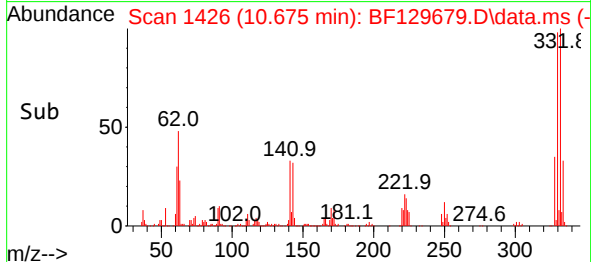
Instrument :
BNA_F
ClientSampleId :
RVE-200



Tgt Ion: 330 Resp: 336789
Ion Ratio Lower Upper
330 100
332 101.9 76.8 115.2
141 34.8 28.0 42.0

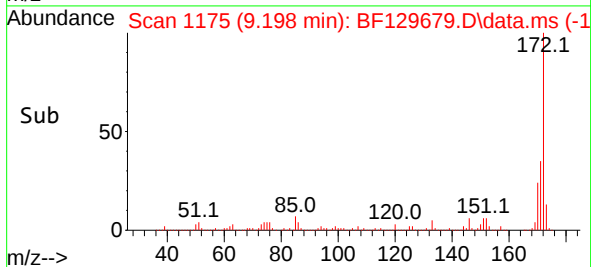
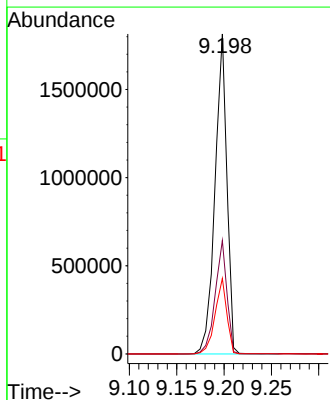
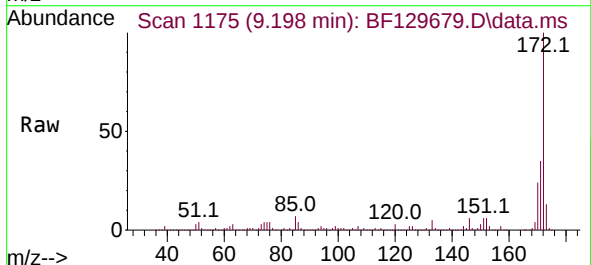
Manual Integrations
APPROVED

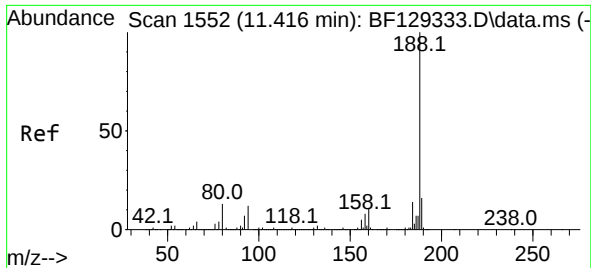
Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022



#45
2-Fluorobiphenyl
Concen: 70.787 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

Tgt Ion: 172 Resp: 1587073
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.6 19.8 29.8





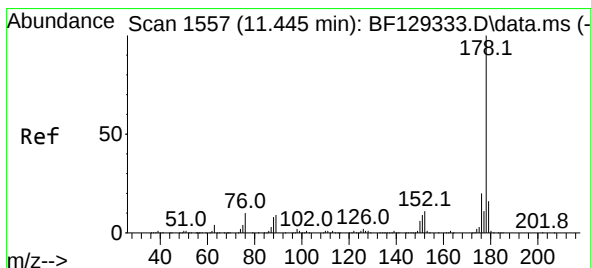
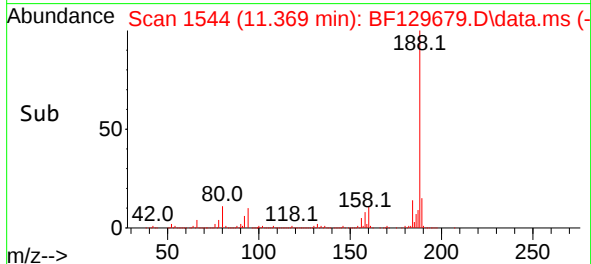
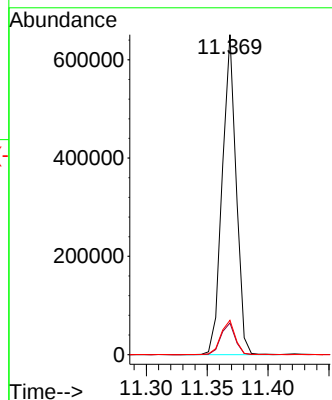
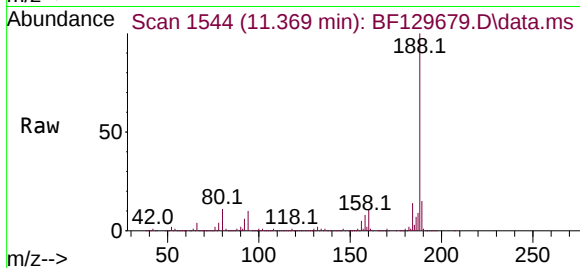
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

Instrument :
BNA_F
ClientSampleId :
RVE-200

Tgt Ion:188 Resp: 517368
Ion Ratio Lower Upper
188 100
94 9.9 7.0 10.6
80 10.7 7.6 11.4

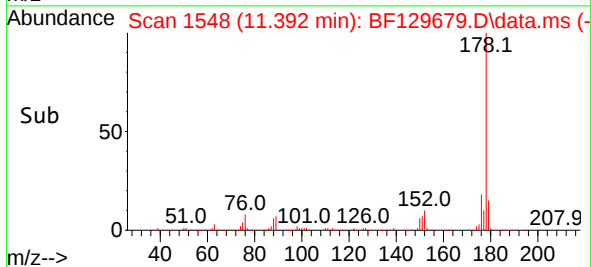
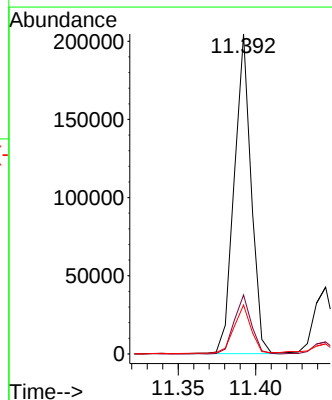
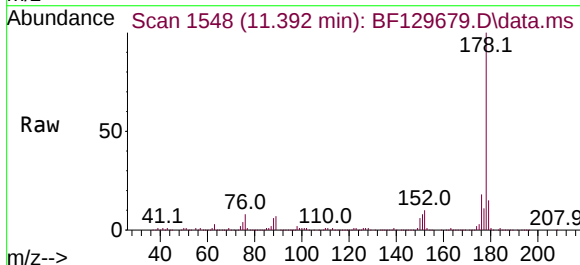
Manual Integrations
APPROVED

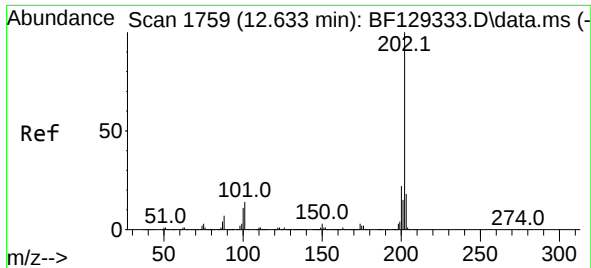
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#71
Phenanthrene
Concen: 5.476 ng
RT: 11.392 min Scan# 1548
Delta R.T. -0.018 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

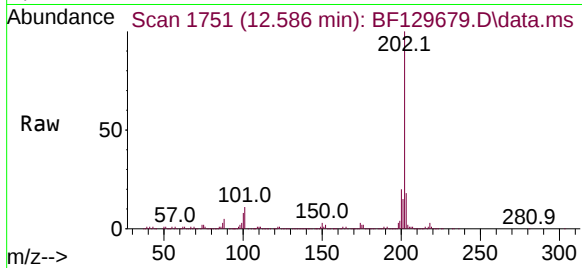
Tgt Ion:178 Resp: 154651
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 15.3 12.6 19.0





#75
Fluoranthene
Concen: 7.591 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

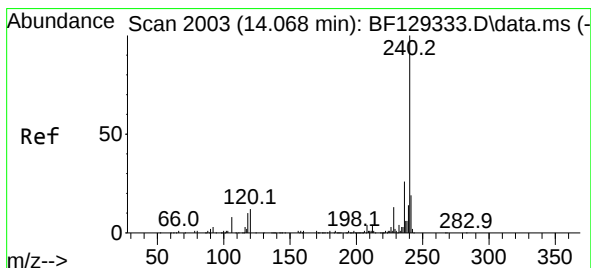
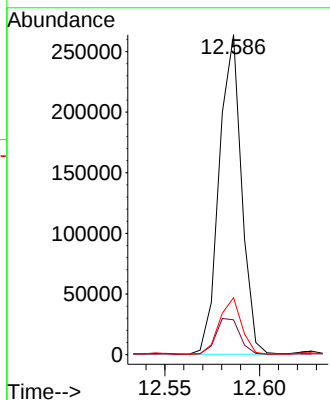
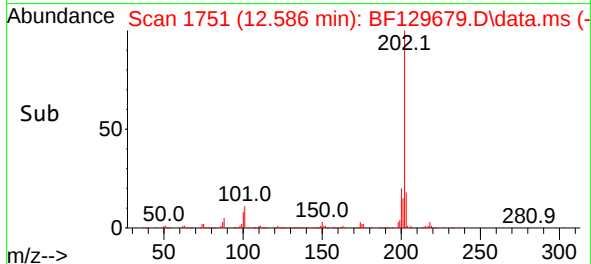
Instrument :
BNA_F
ClientSampleId :
RVE-200



Tgt Ion:202 Resp: 217228
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 17.8 0.0 38.0

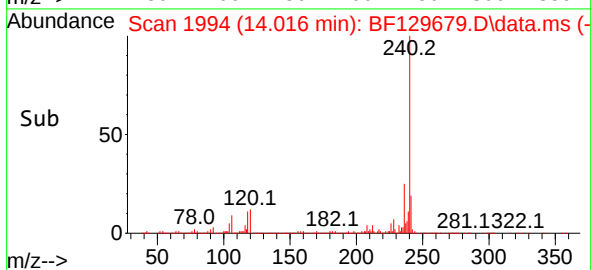
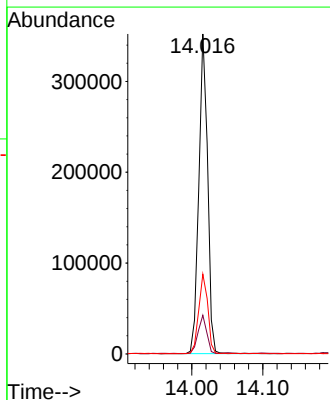
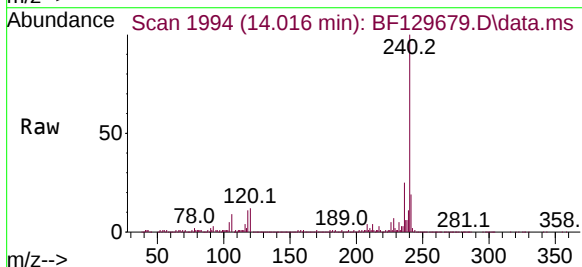
Manual Integrations
APPROVED

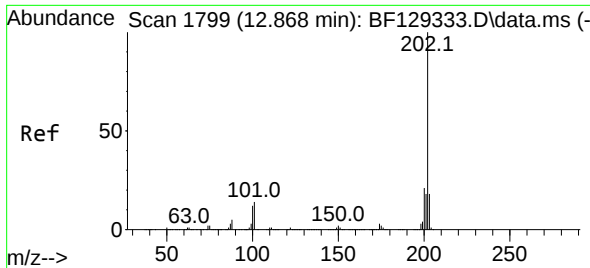
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

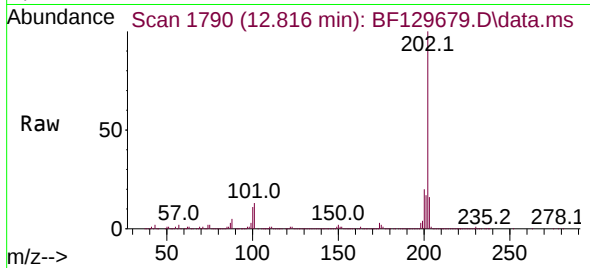
Tgt Ion:240 Resp: 299283
Ion Ratio Lower Upper
240 100
120 12.1 8.9 13.3
236 24.9 20.8 31.2





#78
Pyrene
Concen: 10.016 ng
RT: 12.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

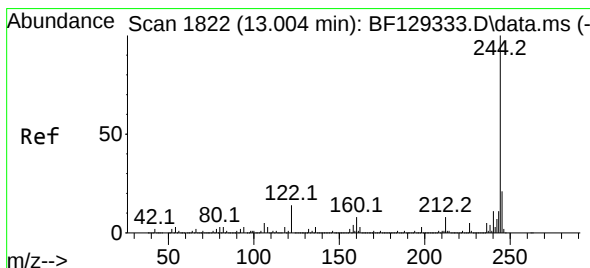
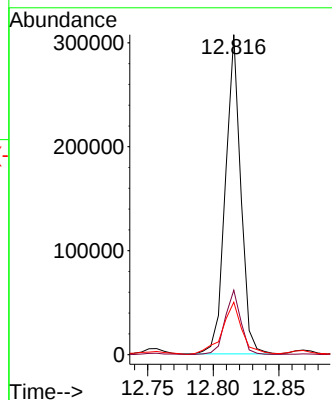
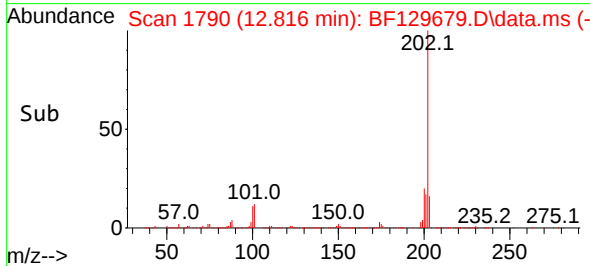
Instrument :
BNA_F
ClientSampleId :
RVE-200



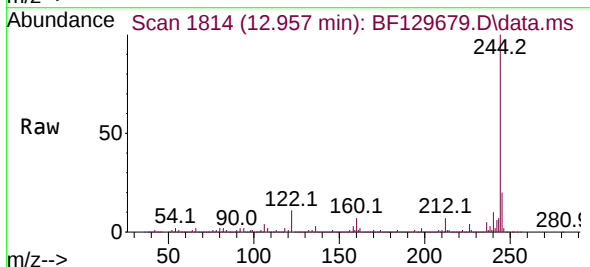
Tgt Ion:202 Resp: 250665
Ion Ratio Lower Upper
202 100
200 20.1 17.7 26.5
203 16.4 14.6 21.8

Manual Integrations
APPROVED

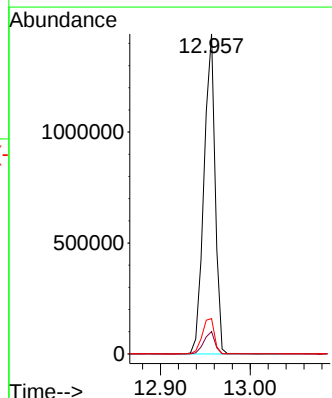
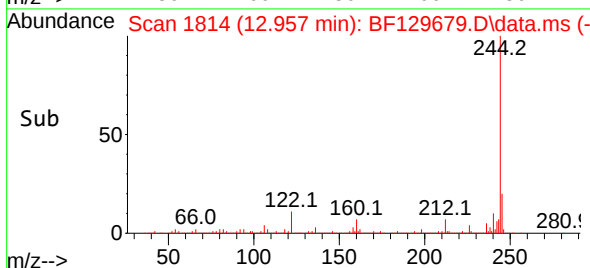
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

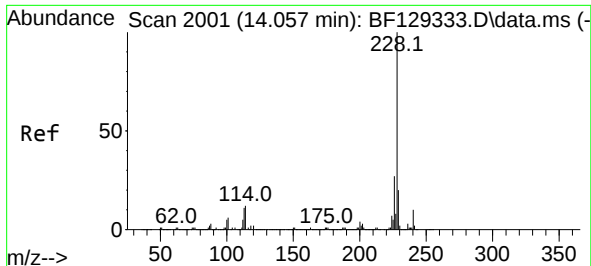


#79
Terphenyl-d14
Concen: 78.536 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17



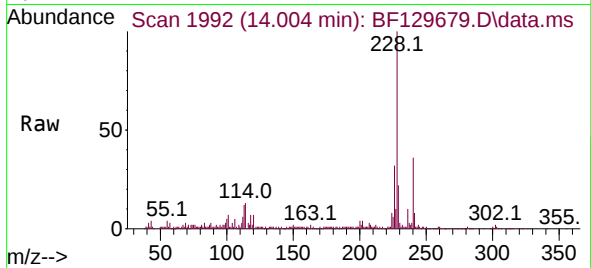
Tgt Ion:244 Resp: 1245882
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 11.0 8.8 13.2





#81
Benzo(a)anthracene
Concen: 5.012 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

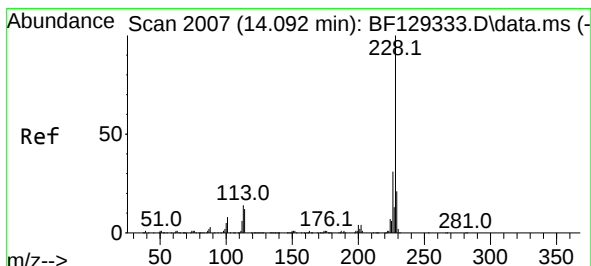
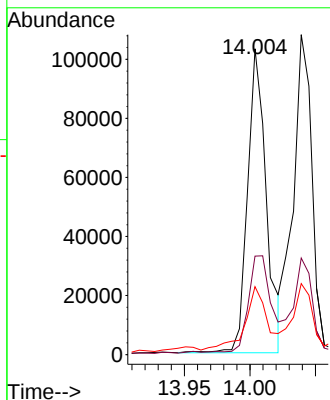
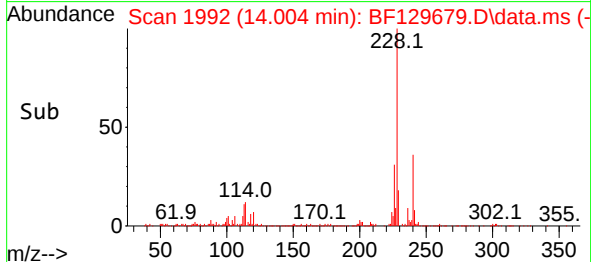
Instrument :
BNA_F
ClientSampleId :
RVE-200



Tgt Ion:228 Resp: 102460
Ion Ratio Lower Upper
228 100
226 32.2 22.1 33.1
229 22.2 15.8 23.8

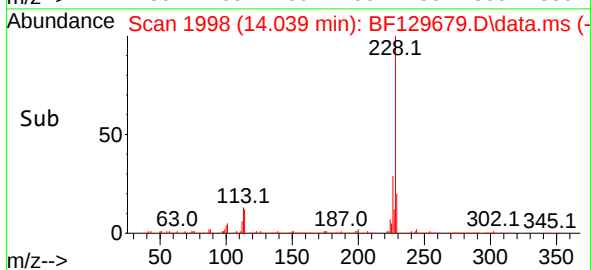
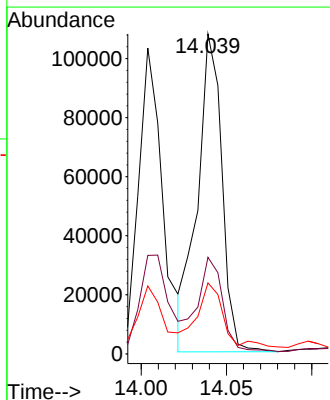
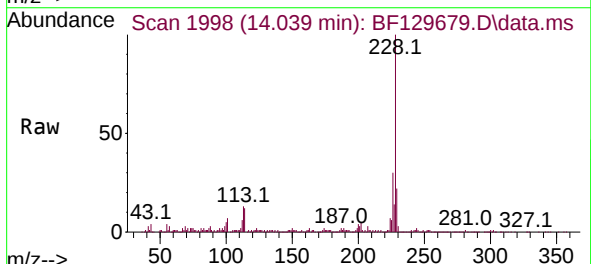
Manual Integrations
APPROVED

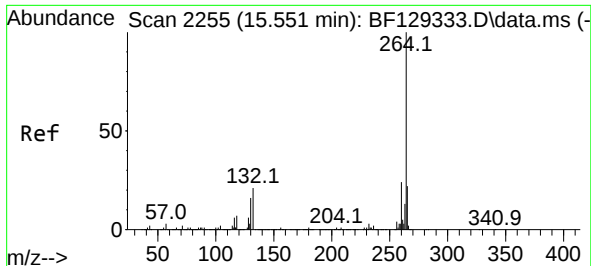
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#83
Chrysene
Concen: 5.587 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

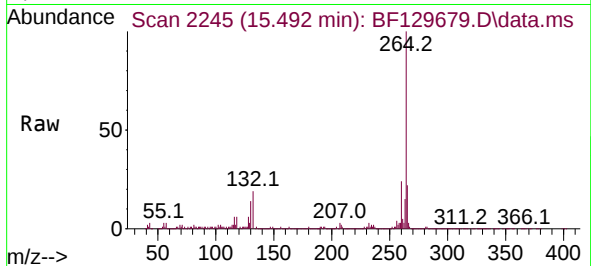
Tgt Ion:228 Resp: 107641
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.2 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

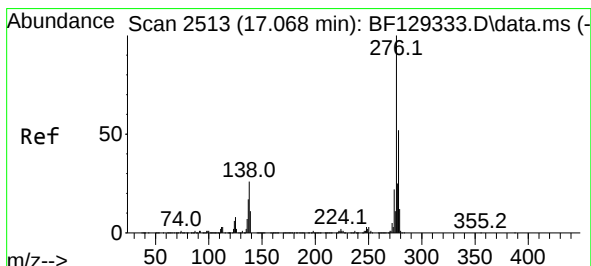
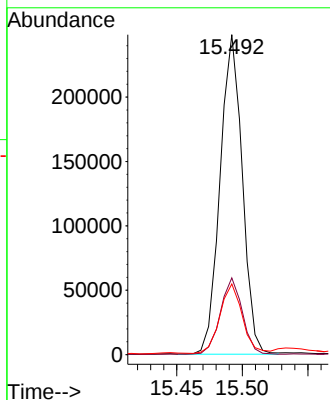
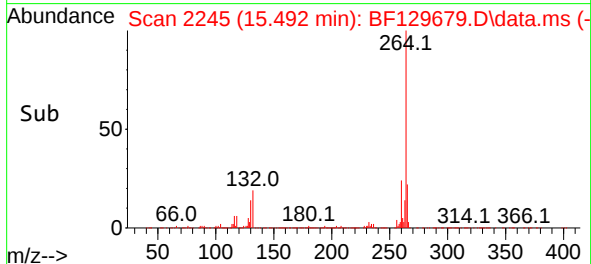
Instrument :
BNA_F
ClientSampleId :
RVE-200



Tgt Ion:264 Resp: 292496
Ion Ratio Lower Upper
264 100
260 24.0 18.4 27.6
265 22.1 17.2 25.8

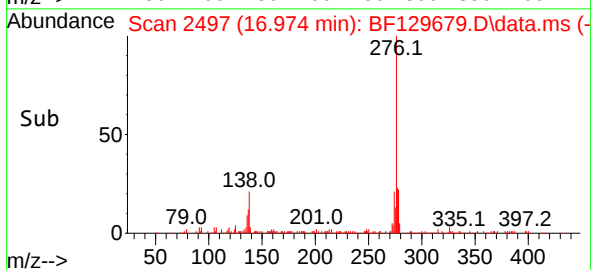
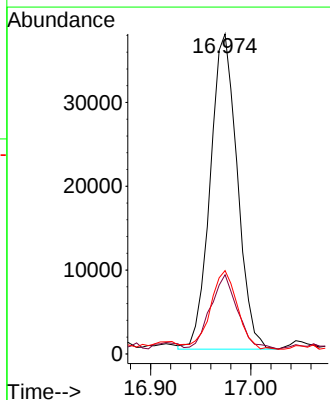
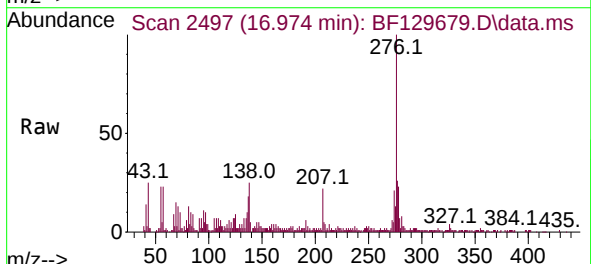
Manual Integrations
APPROVED

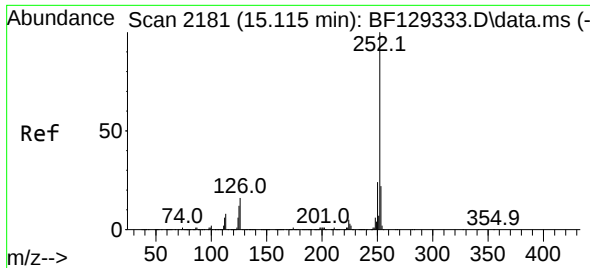
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.574 ng
RT: 16.974 min Scan# 2497
Delta R.T. -0.024 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

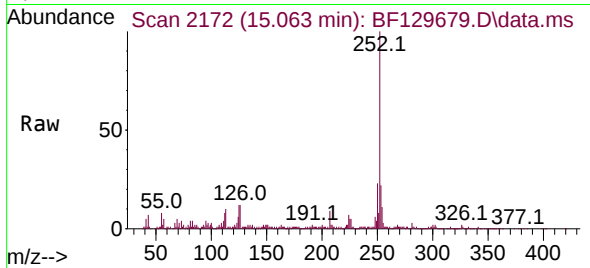
Tgt Ion:276 Resp: 70401
Ion Ratio Lower Upper
276 100
138 23.7 21.1 31.7
277 24.7 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 6.760 ng m
RT: 15.063 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

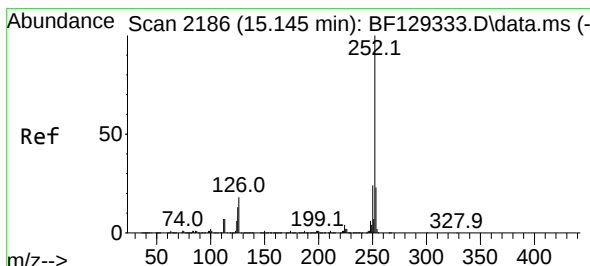
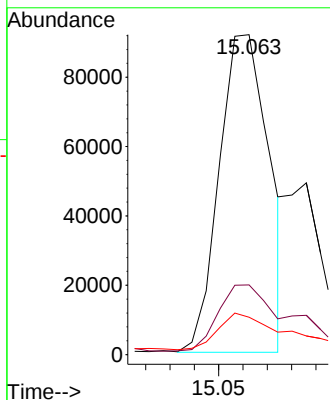
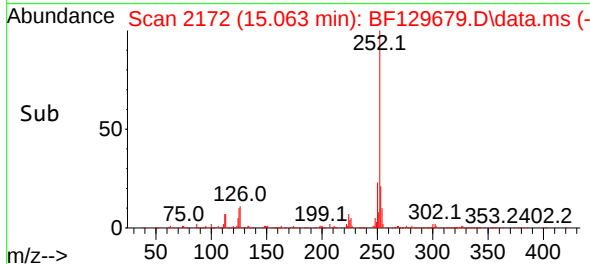
Instrument :
BNA_F
ClientSampleId :
RVE-200



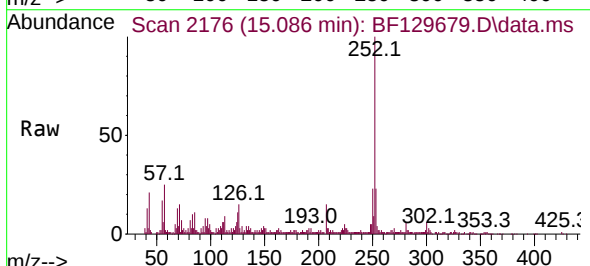
Tgt Ion:252 Resp: 131150
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 11.7 8.0 12.0

Manual Integrations
APPROVED

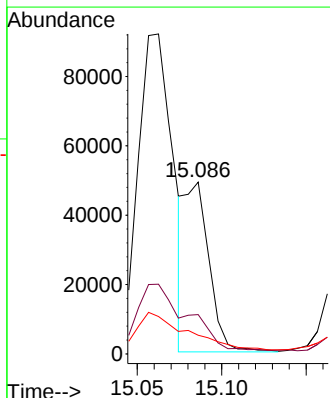
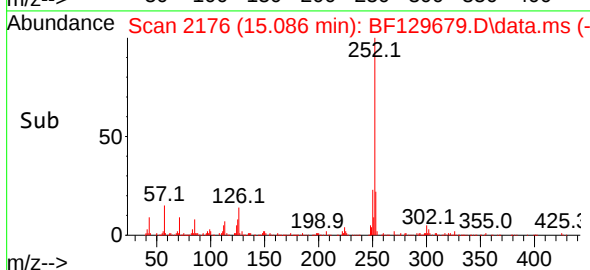
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

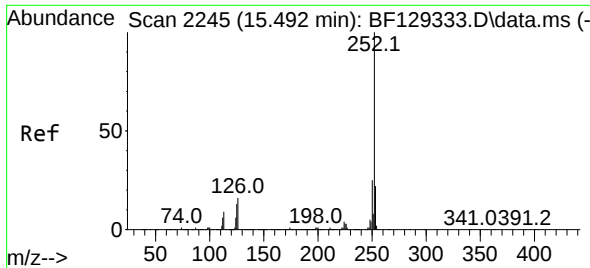


#89
Benzo(k)fluoranthene
Concen: 2.547 ng m
RT: 15.086 min Scan# 2176
Delta R.T. -0.018 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17



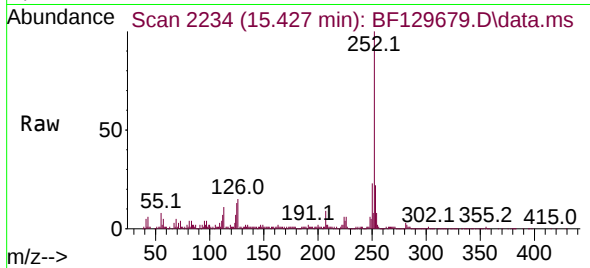
Tgt Ion:252 Resp: 48424
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 10.9 8.3 12.5





#90
Benzo(a)pyrene
Concen: 6.656 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

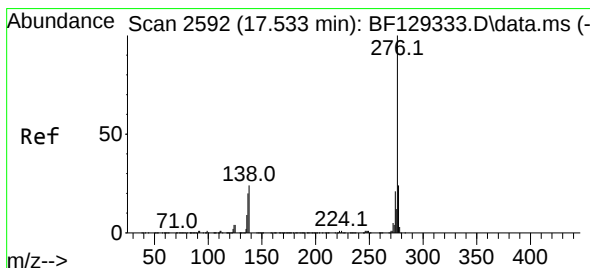
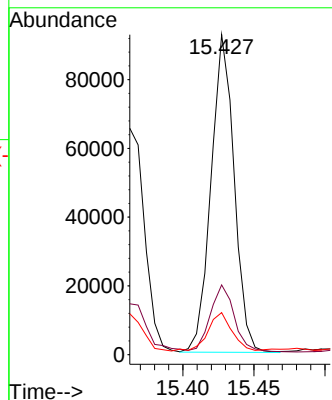
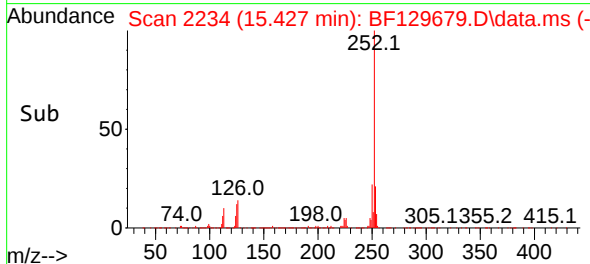
Instrument :
BNA_F
ClientSampleId :
RVE-200



Tgt Ion:252 Resp: 104838
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 13.1 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#92
Benzo(g,h,i)perylene
Concen: 4.720 ng
RT: 17.427 min Scan# 2574
Delta R.T. -0.024 min
Lab File: BF129679.D
Acq: 09 Aug 2022 22:17

Tgt Ion:276 Resp: 77323
Ion Ratio Lower Upper
276 100
277 25.1 19.1 28.7
138 22.6 18.0 27.0

