

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
 Data File : BF129561.D
 Acq On : 04 Aug 2022 02:32
 Operator : CG\JU
 Sample : N3998-09 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/04/2022
 Supervised By : Jagrut Upadhyay 08/05/2022

Quant Time: Aug 04 03:03:44 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	6.869	152	132257	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	466562	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	237317	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	433272	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	306754	20.000	ng	0.00
86) Perylene-d12	15.533	264	228389	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	138588	17.070	ng	0.00
7) Phenol-d6	6.516	99	162775	15.951	ng	0.00
23) Nitrobenzene-d5	7.428	82	94173	11.018	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	39308	17.228	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	181059	11.802	ng	-0.01
79) Terphenyl-d14	12.980	244	228300	14.041	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.421	178	115769	4.895	ng	98
75) Fluoranthene	12.615	202	294241	12.278	ng	99
78) Pyrene	12.845	202	253780	9.893	ng	98
81) Benzo(a)anthracene	14.033	228	99685	4.757	ng	97
83) Chrysene	14.068	228	119164	6.034	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	63628	4.137	ng	94
88) Benzo(b)fluoranthene	15.098	252	148598m	9.809	ng	
89) Benzo(k)fluoranthene	15.121	252	32679m	2.201	ng	
90) Benzo(a)pyrene	15.468	252	79093	6.431	ng	# 95
92) Benzo(g,h,i)perylene	17.492	276	68022	5.318	ng	97

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

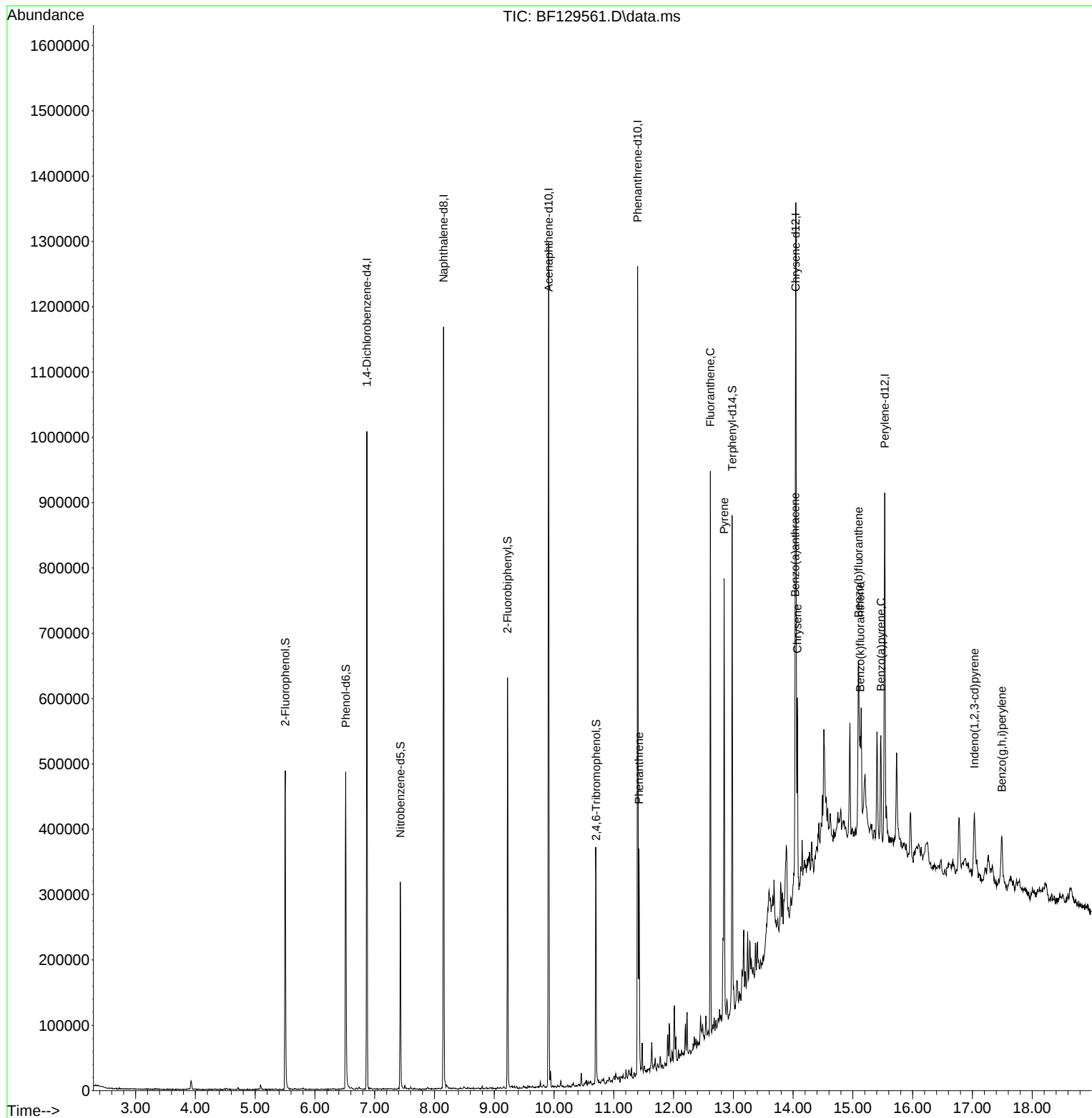
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
Data File : BF129561.D
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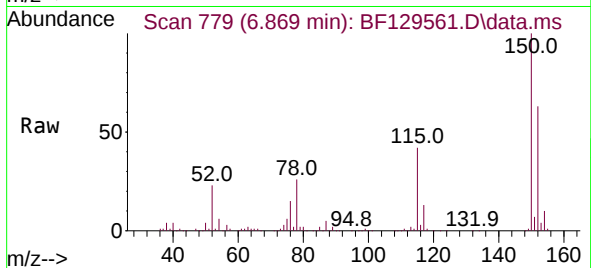
Quant Time: Aug 04 03:03:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 01:11:25 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

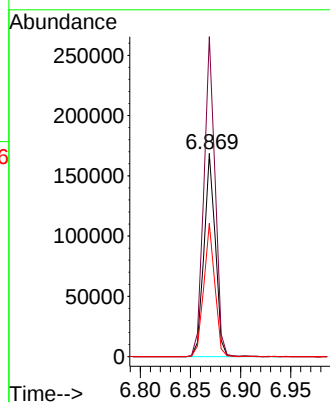
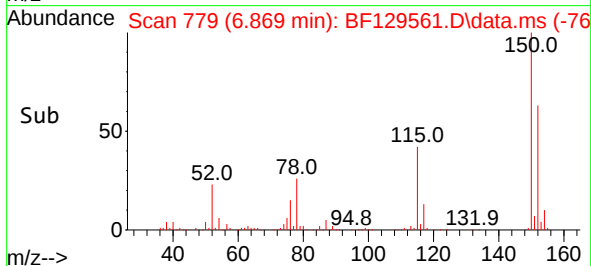
Instrument :
BNA_F
ClientSampleId :
SS-2



Tgt Ion:152 Resp: 13225
Ion Ratio Lower Upper
152 100
150 157.5 123.7 185.5
115 65.6 49.9 74.9

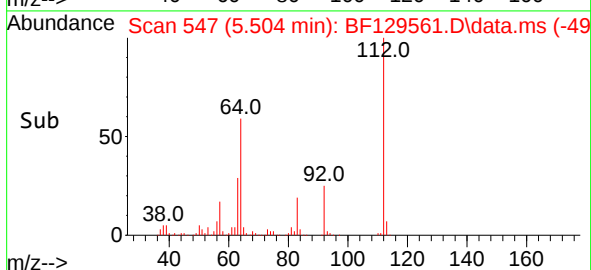
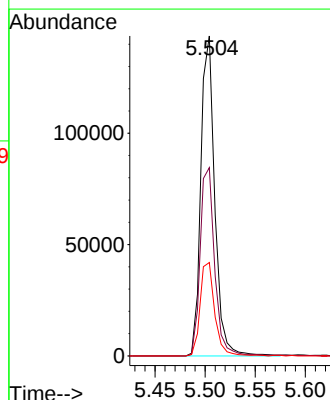
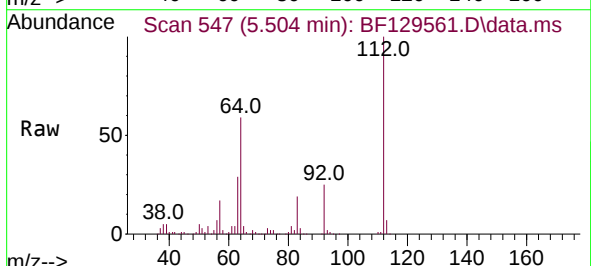
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#5
2-Fluorophenol
Concen: 17.070 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.000 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

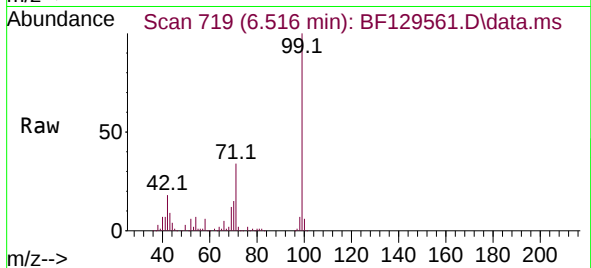
Tgt Ion:112 Resp: 138588
Ion Ratio Lower Upper
112 100
64 58.8 53.3 79.9
63 29.2 28.0 42.0





#7
Phenol-d6
Concen: 15.951 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

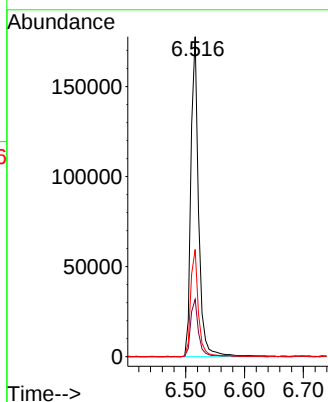
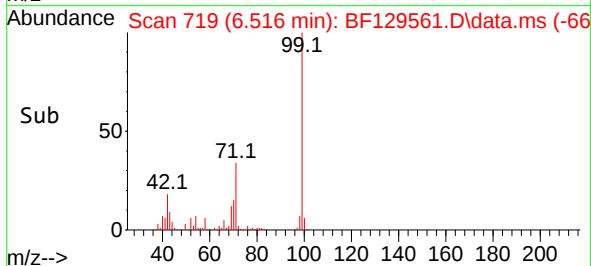
Instrument :
BNA_F
ClientSampleId :
SS-2



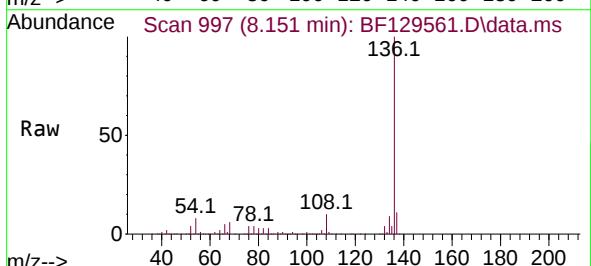
Tgt Ion: 99 Resp: 162775
Ion Ratio Lower Upper
99 100
42 17.9 17.3 25.9
71 33.5 28.9 43.3

Manual Integrations
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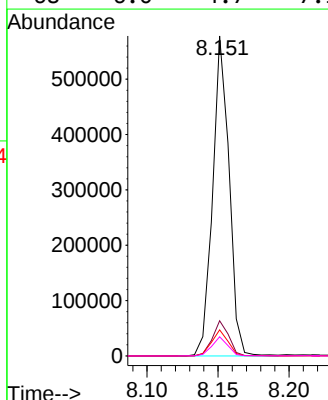
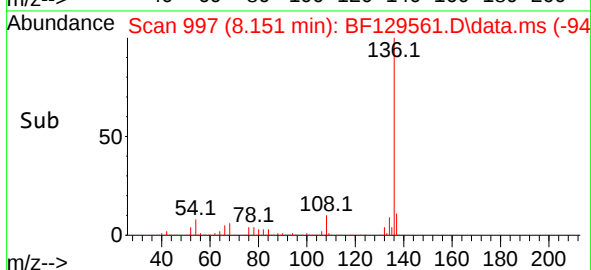
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

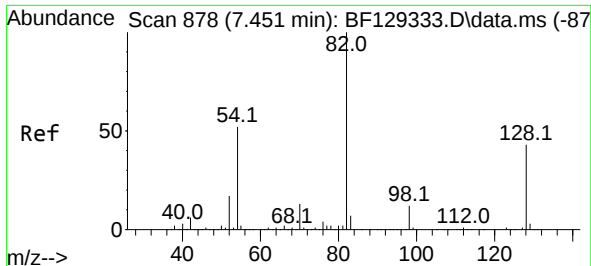


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.012 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32



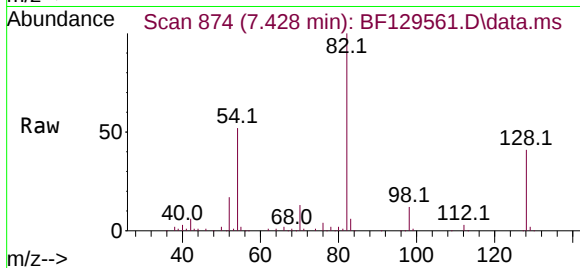
Tgt Ion:136 Resp: 466562
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.1 7.5 11.3
68 6.0 4.7 7.1





#23
Nitrobenzene-d5
Concen: 11.018 ng
RT: 7.428 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

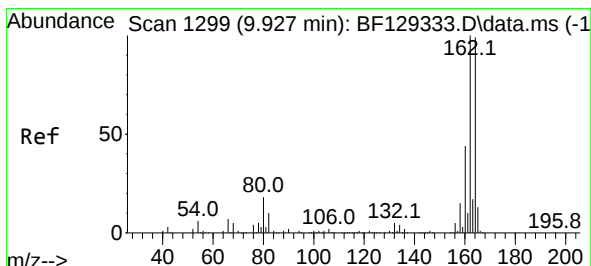
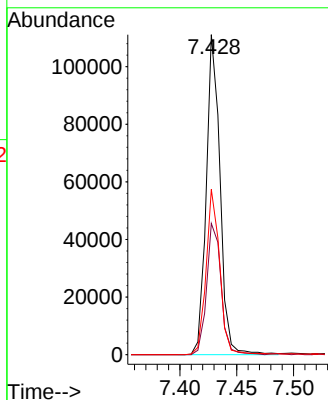
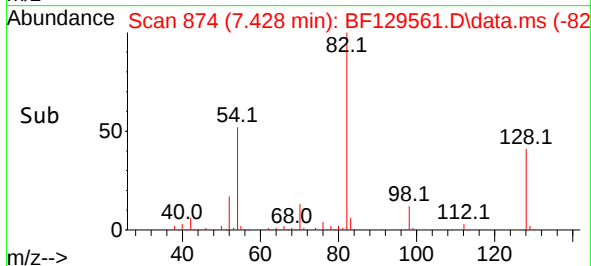
Instrument :
BNA_F
ClientSampleId :
SS-2



Tgt Ion: 82 Resp: 94173
Ion Ratio Lower Upper
82 100
128 41.0 34.0 51.0
54 51.6 46.9 70.3

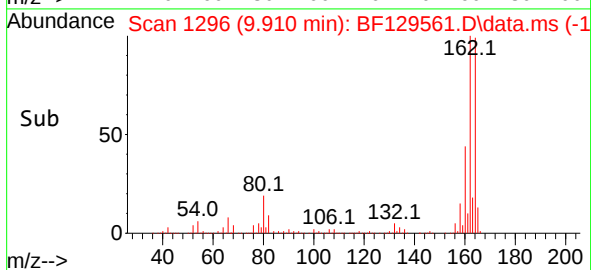
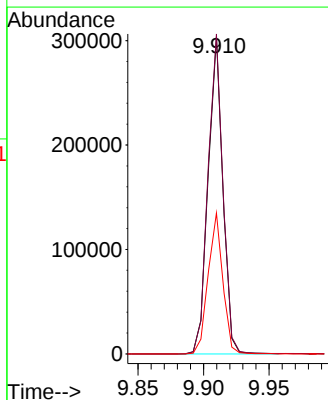
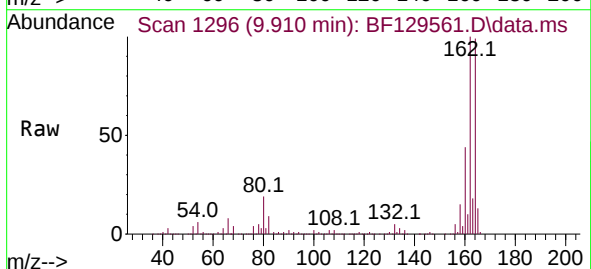
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

Tgt Ion:164 Resp: 237317
Ion Ratio Lower Upper
164 100
162 100.9 79.5 119.3
160 44.4 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 17.228 ng
RT: 10.704 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

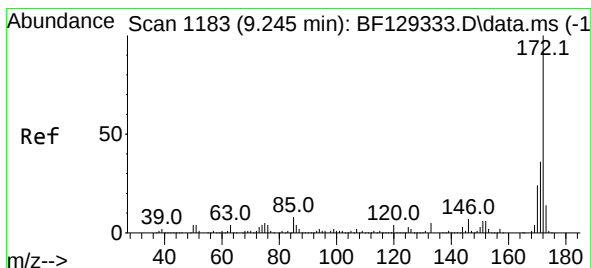
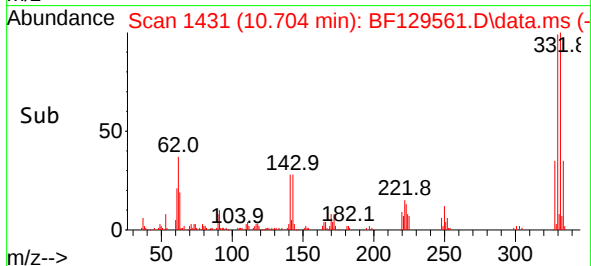
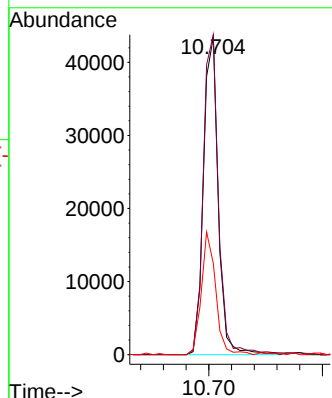
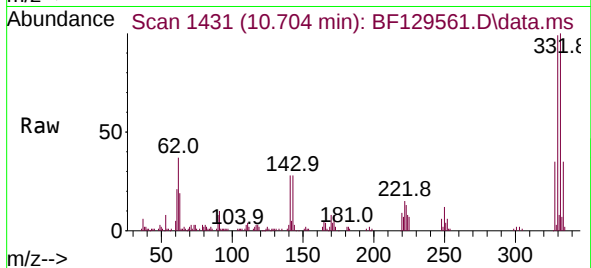
SS-2

Tgt Ion:330 Resp: 39308
Ion Ratio Lower Upper
330 100
332 103.2 76.8 115.2
141 37.2 28.0 42.0

Manual Integrations

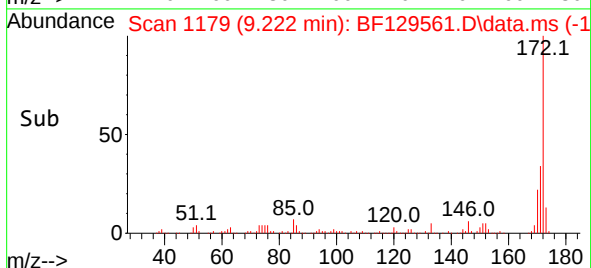
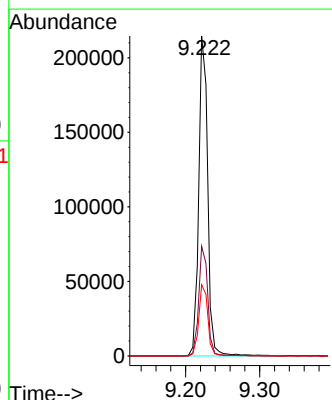
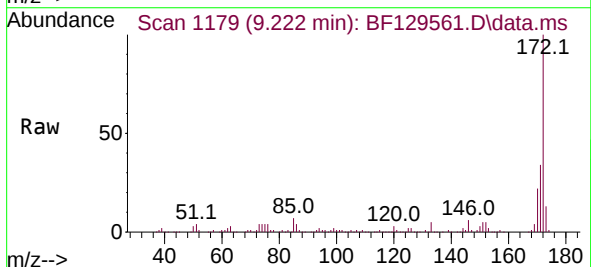
APPROVED

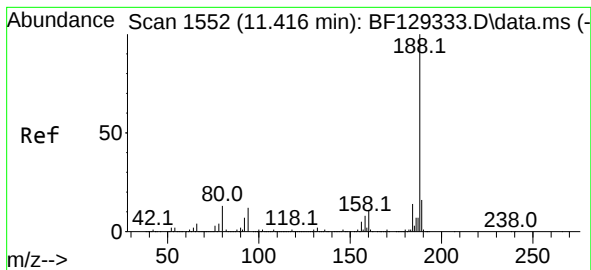
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#45
2-Fluorobiphenyl
Concen: 11.802 ng
RT: 9.222 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

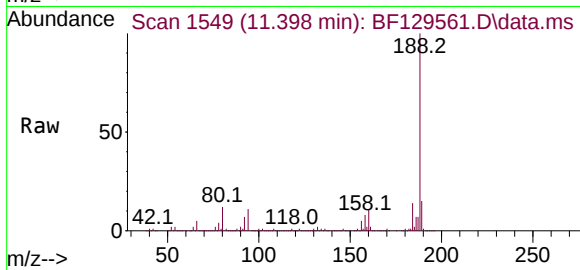
Tgt Ion:172 Resp: 181059
Ion Ratio Lower Upper
172 100
171 34.3 28.8 43.2
170 22.3 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

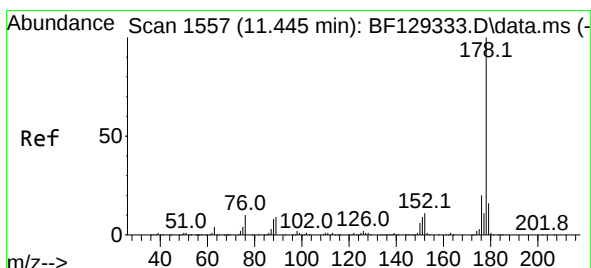
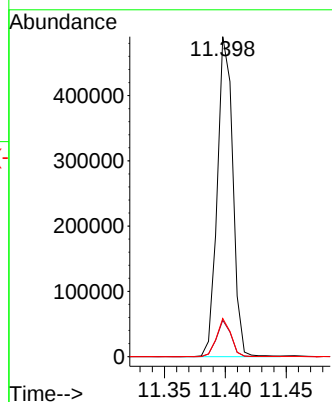
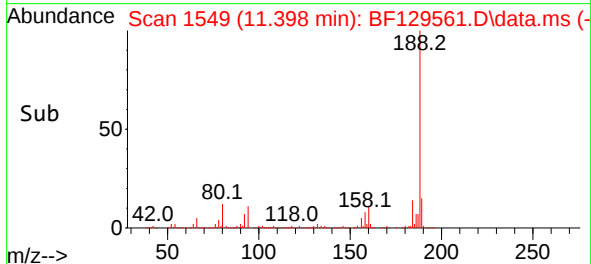
Instrument :
BNA_F
ClientSampleId :
SS-2



Tgt Ion:188 Resp: 433272
Ion Ratio Lower Upper
188 100
94 11.4 7.0 10.6
80 11.9 7.6 11.4

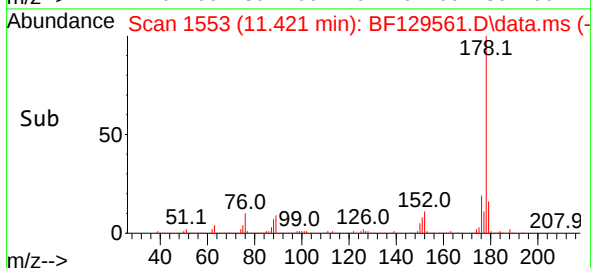
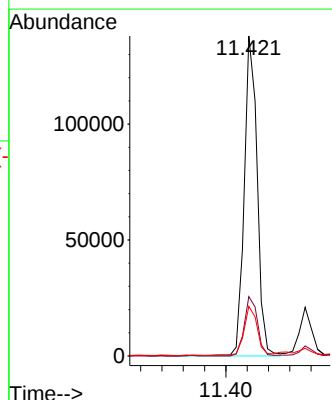
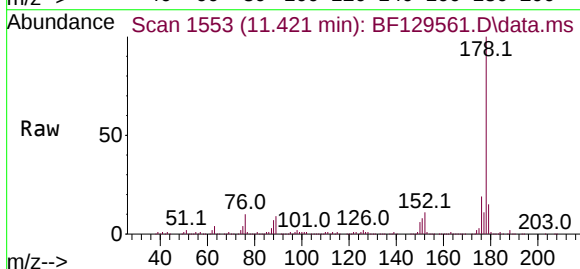
Manual Integrations
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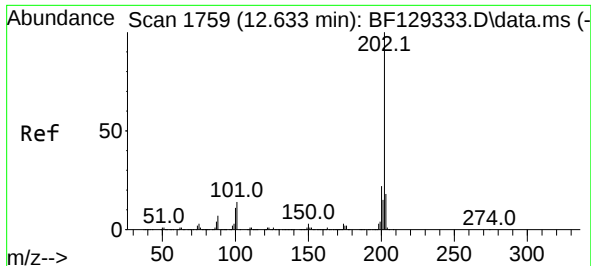
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#71
Phenanthrene
Concen: 4.895 ng
RT: 11.421 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

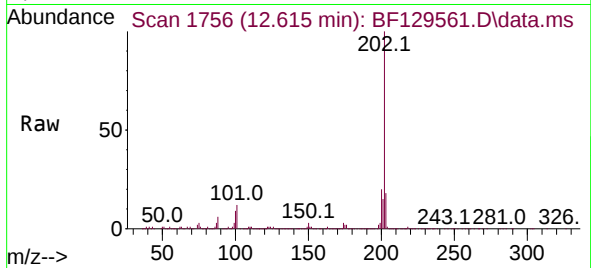
Tgt Ion:178 Resp: 115769
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 15.5 12.6 19.0





#75
Fluoranthene
Concen: 12.278 ng
RT: 12.615 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

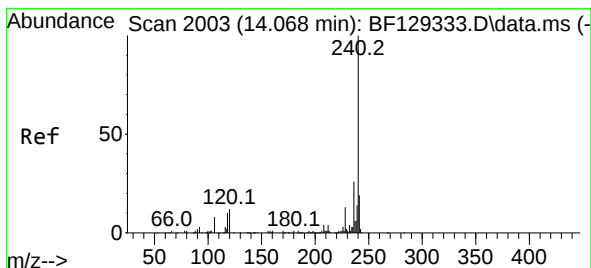
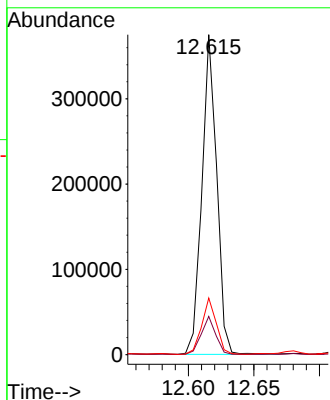
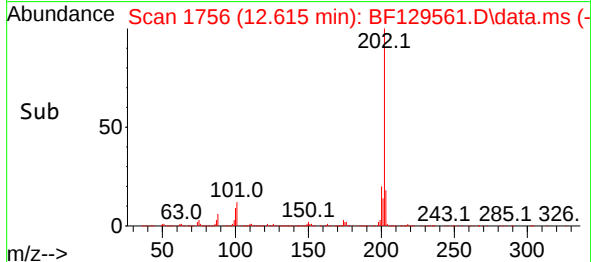
Instrument :
BNA_F
ClientSampleId :
SS-2



Tgt Ion:202 Resp: 29424
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.4
203 17.7 0.0 38.0

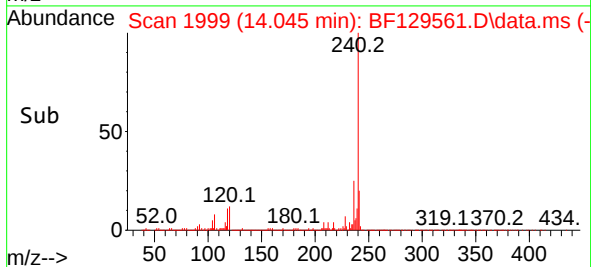
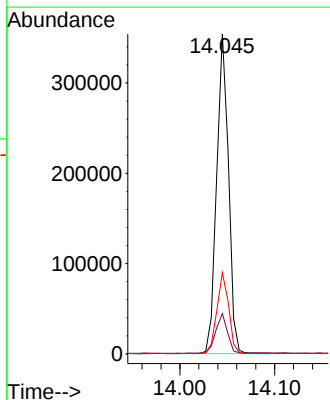
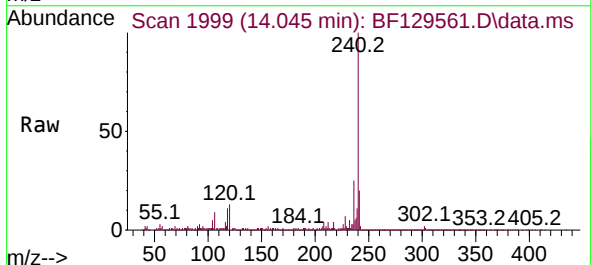
Manual Integrations
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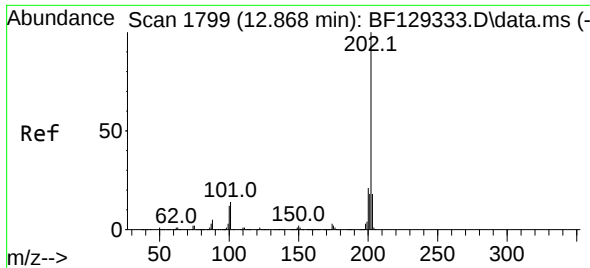
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

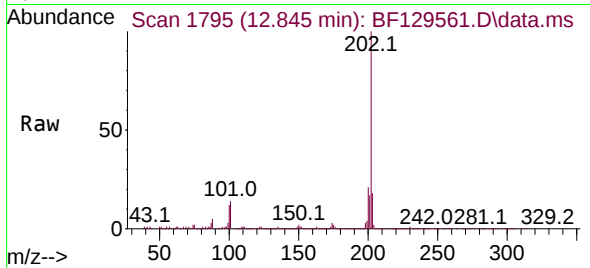
Tgt Ion:240 Resp: 306754
Ion Ratio Lower Upper
240 100
120 12.6 8.9 13.3
236 25.4 20.8 31.2





#78
Pyrene
Concen: 9.893 ng
RT: 12.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

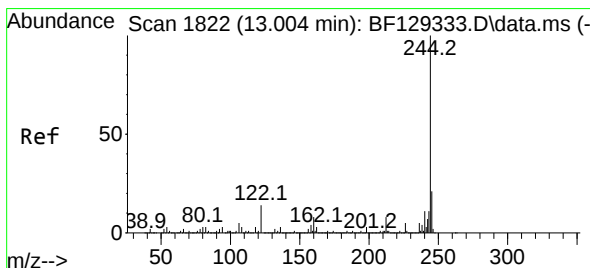
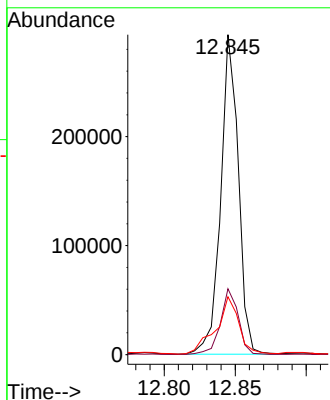
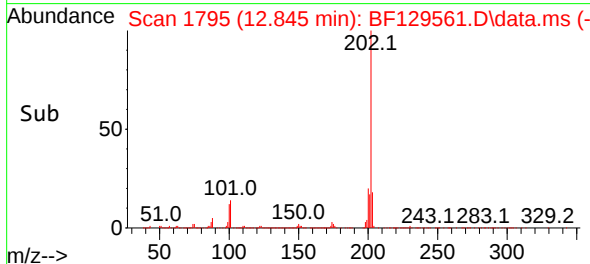
Instrument :
BNA_F
ClientSampleId :
SS-2



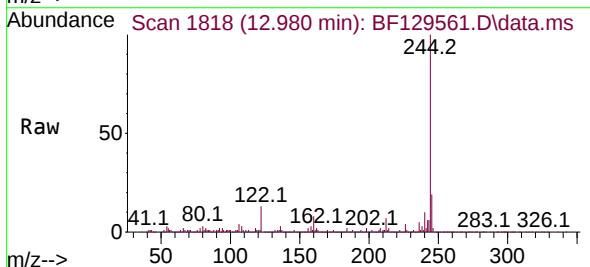
Tgt Ion:202 Resp: 253780
Ion Ratio Lower Upper
202 100
200 20.6 17.7 26.5
203 18.1 14.6 21.8

Manual Integrations
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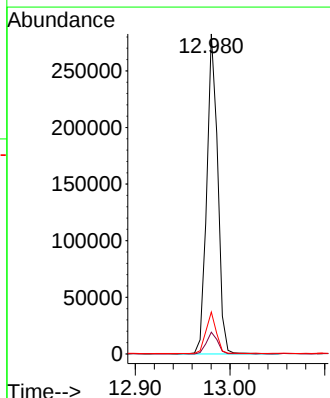
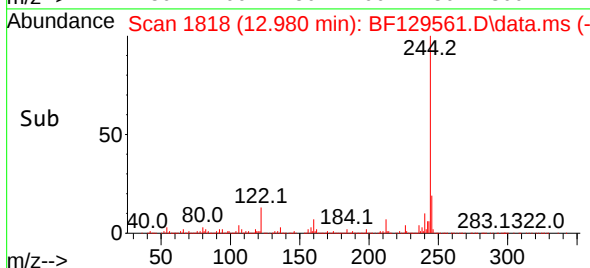
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

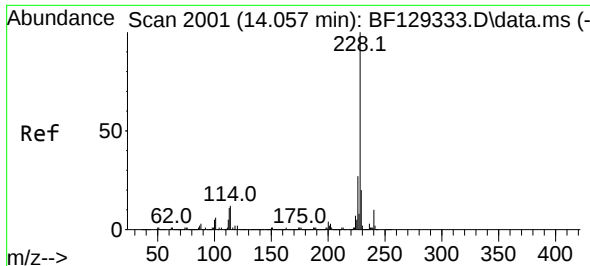


#79
Terphenyl-d14
Concen: 14.041 ng
RT: 12.980 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32



Tgt Ion:244 Resp: 228300
Ion Ratio Lower Upper
244 100
212 6.8 6.1 9.1
122 13.1 8.8 13.2





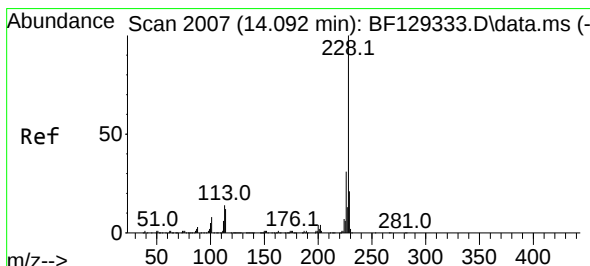
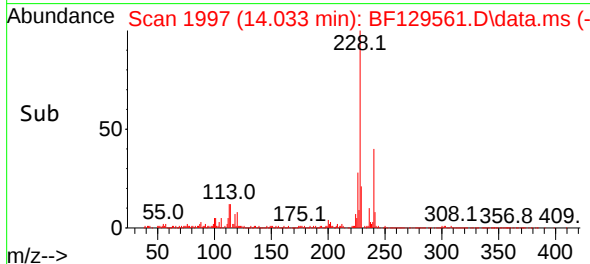
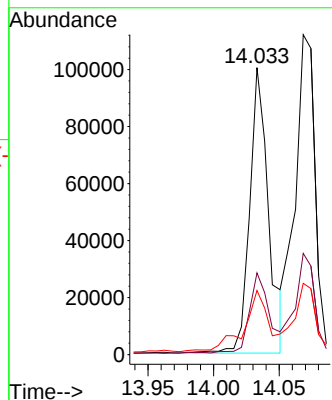
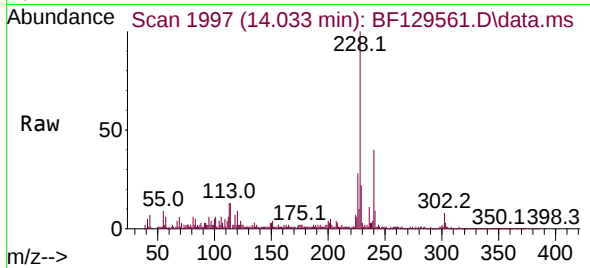
#81
Benzo(a)anthracene
Concen: 4.757 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

Instrument :
BNA_F
ClientSampleId :
SS-2

Tgt Ion:228 Resp: 99685
Ion Ratio Lower Upper
228 100
226 28.5 22.1 33.1
229 22.3 15.8 23.8

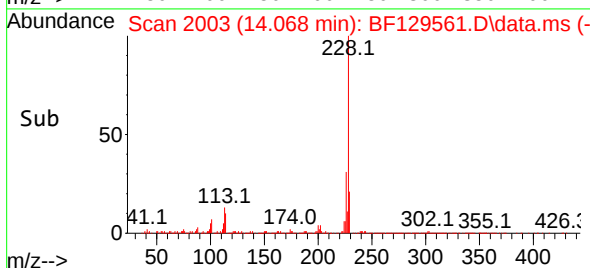
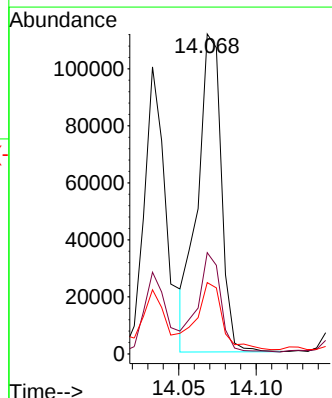
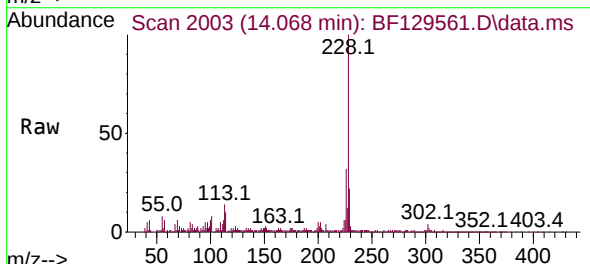
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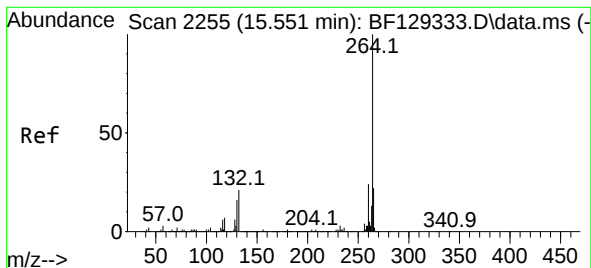
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#83
Chrysene
Concen: 6.034 ng
RT: 14.068 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

Tgt Ion:228 Resp: 119164
Ion Ratio Lower Upper
228 100
226 31.6 24.3 36.5
229 22.3 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2255

Delta R.T. 0.006 min

Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

SS-2

Tgt Ion:264 Resp: 228389

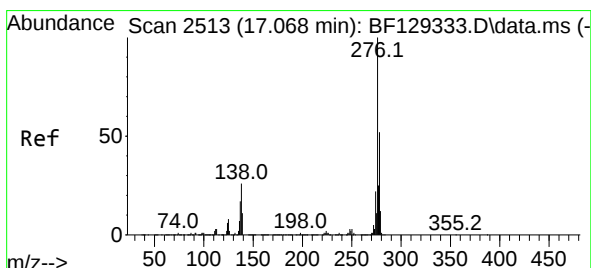
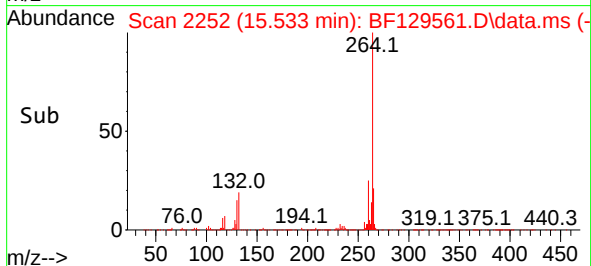
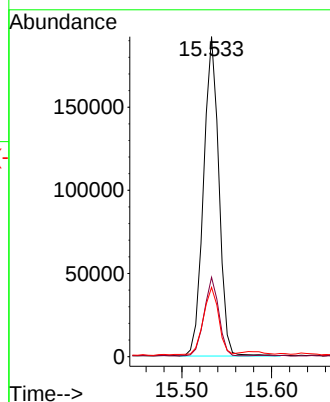
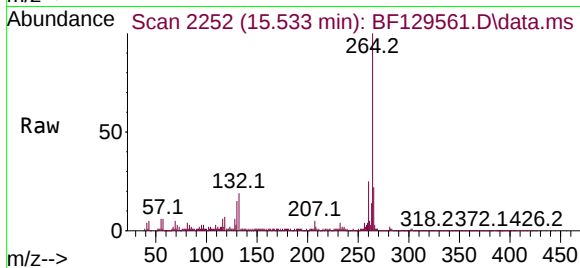
Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.4	27.6
265	21.6	17.2	25.8

Manual Integrations

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Reviewed By :Christian Giraldo 08/04/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.137 ng

RT: 17.033 min Scan# 2507

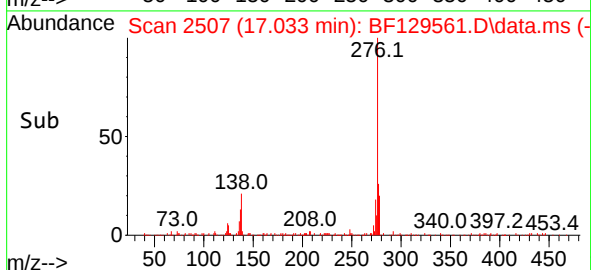
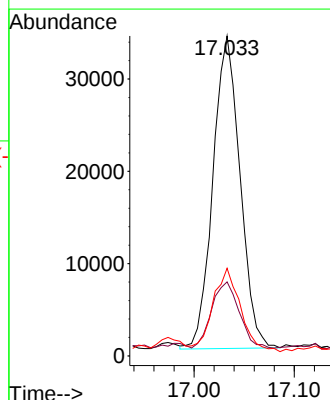
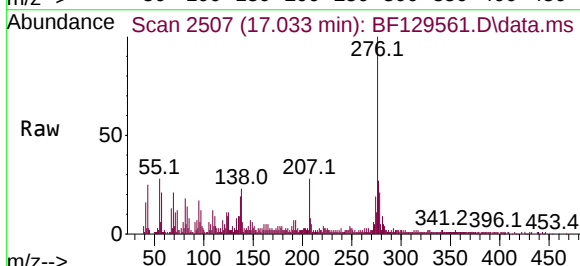
Delta R.T. -0.000 min

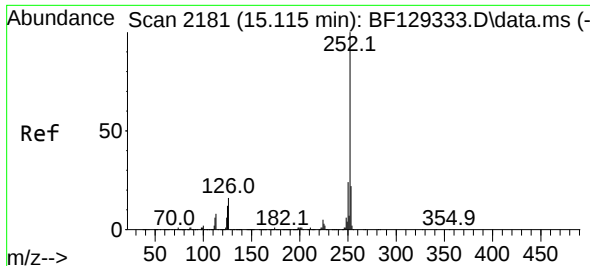
Lab File: BF129561.D

Acq: 04 Aug 2022 02:32

Tgt Ion:276 Resp: 63628

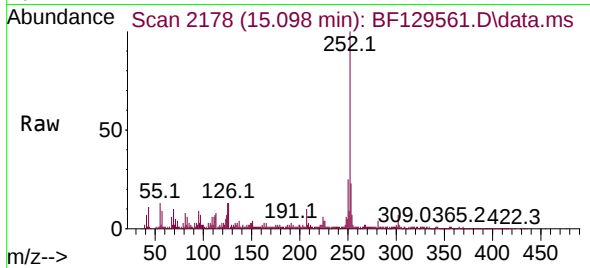
Ion	Ratio	Lower	Upper
276	100		
138	22.3	21.1	31.7
277	27.4	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 9.809 ng m
RT: 15.098 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

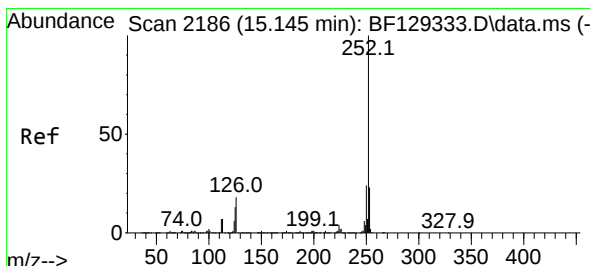
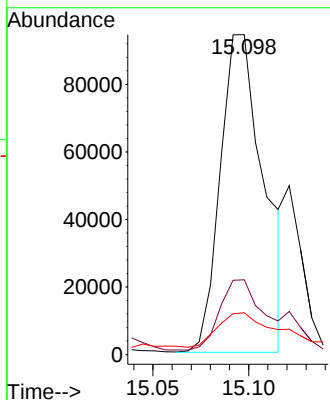
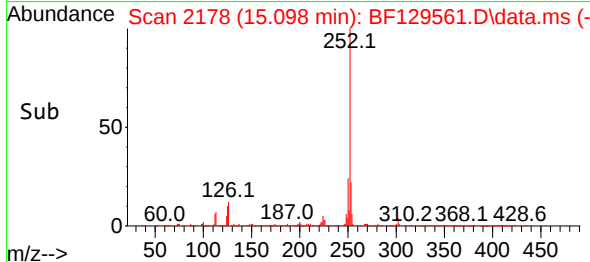
Instrument :
BNA_F
ClientSampleId :
SS-2



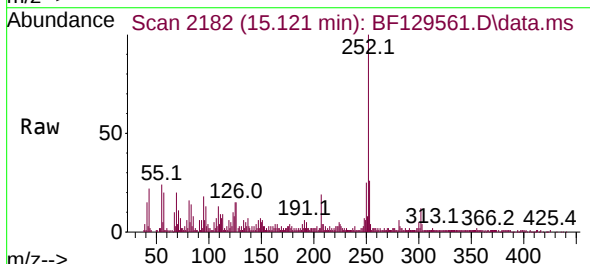
Tgt Ion:252 Resp: 148598
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 13.1 8.0 12.0

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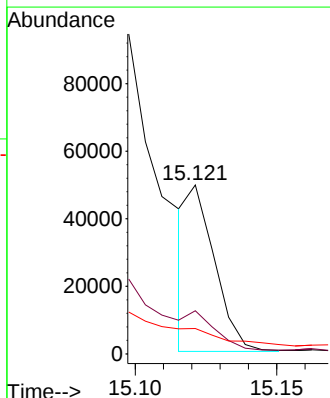
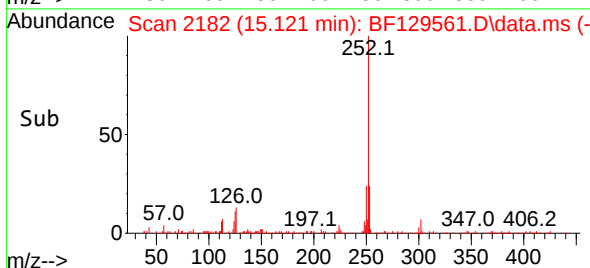
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

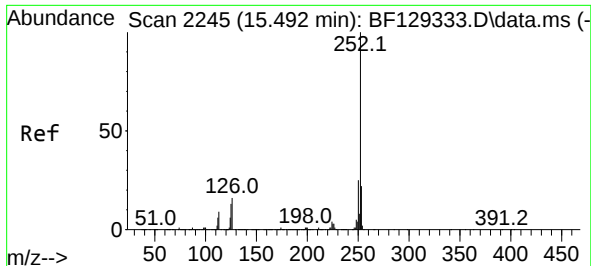


#89
Benzo(k)fluoranthene
Concen: 2.201 ng m
RT: 15.121 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32



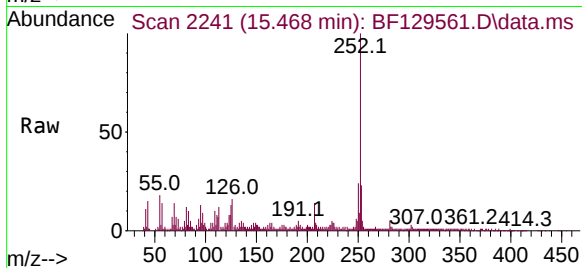
Tgt Ion:252 Resp: 32679
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.6
125 15.0 8.3 12.5





#90
Benzo(a)pyrene
Concen: 6.431 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

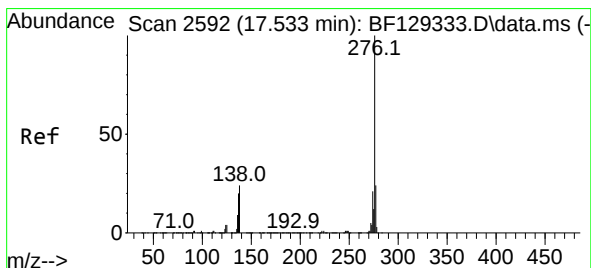
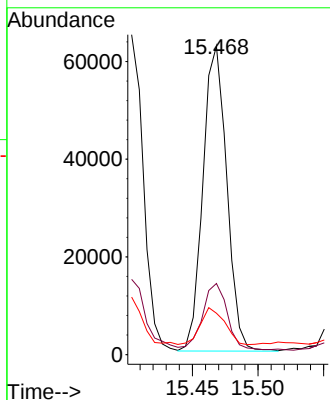
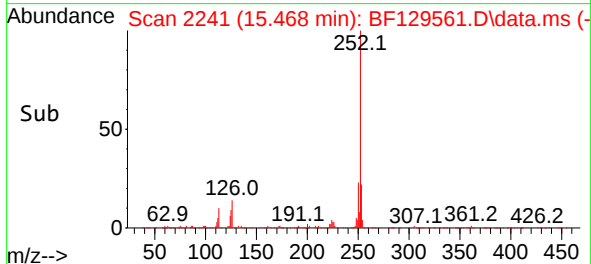
Instrument :
BNA_F
ClientSampleId :
SS-2



Tgt Ion:252 Resp: 79093
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 13.4 8.8 13.2

Manual Integrations
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Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#92
Benzo(g,h,i)perylene
Concen: 5.318 ng
RT: 17.492 min Scan# 2585
Delta R.T. -0.000 min
Lab File: BF129561.D
Acq: 04 Aug 2022 02:32

Tgt Ion:276 Resp: 68022
Ion Ratio Lower Upper
276 100
277 25.3 19.1 28.7
138 24.2 18.0 27.0

