

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081022\
 Data File : BF129706.D
 Acq On : 10 Aug 2022 20:58
 Operator : CG\JU
 Sample : N4119-04 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-2FT

Quant Time: Aug 10 21:54:56 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	179510	20.000	ng	-0.02
21) Naphthalene-d8	8.122	136	649039	20.000	ng	#-0.01
39) Acenaphthene-d10	9.875	164	276674	20.000	ng	-0.02
64) Phenanthrene-d10	11.363	188	410228	20.000	ng	#-0.02
76) Chrysene-d12	14.015	240	339396	20.000	ng	-0.01
86) Perylene-d12	15.486	264	255341	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	140951	12.791	ng	0.00
7) Phenol-d6	6.492	99	180852	13.057	ng	-0.01
23) Nitrobenzene-d5	7.398	82	107621	9.052	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	27411	10.305	ng	-0.02
45) 2-Fluorobiphenyl	9.192	172	200934	11.235	ng	-0.02
79) Terphenyl-d14	12.945	244	166544	9.258	ng	-0.02
Target Compounds						
						Qvalue
49) Acenaphthylene	9.733	152	52296	2.108	ng	98
71) Phenanthrene	11.386	178	107822	4.815	ng	99
75) Fluoranthene	12.580	202	225532	9.940	ng	99
78) Pyrene	12.810	202	309127	10.892	ng	99
81) Benzo(a)anthracene	14.004	228	187421m	8.084	ng	
83) Chrysene	14.039	228	160895	7.364	ng	99
87) Indeno(1,2,3-cd)pyrene	16.968	276	64599	3.757	ng	97
88) Benzo(b)fluoranthene	15.057	252	162671m	9.604	ng	
89) Benzo(k)fluoranthene	15.080	252	46575m	2.806	ng	
90) Benzo(a)pyrene	15.427	252	120597	8.771	ng	98
92) Benzo(g,h,i)perylene	17.415	276	67294	4.706	ng	98

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

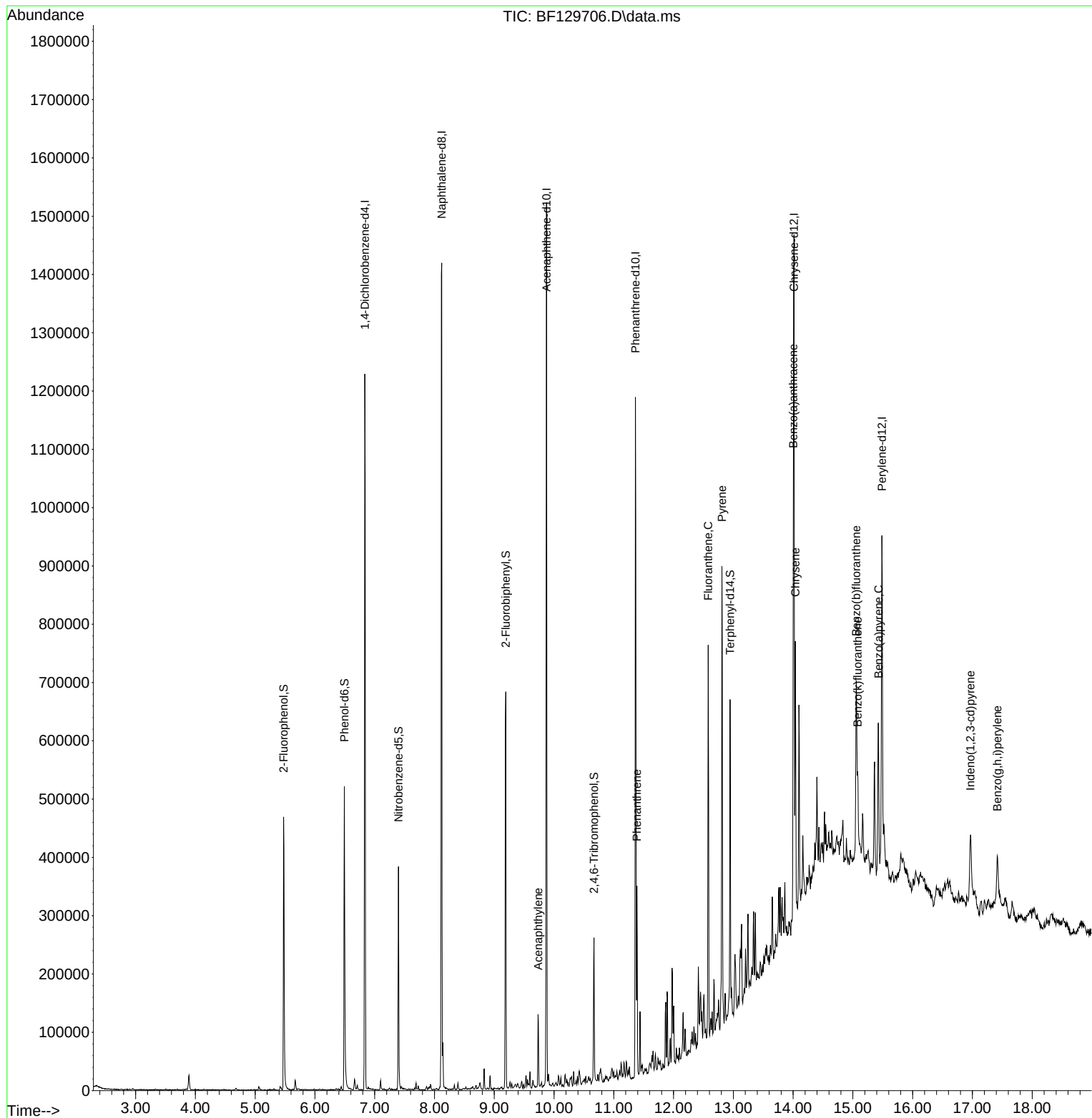
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081022\
Data File : BF129706.D
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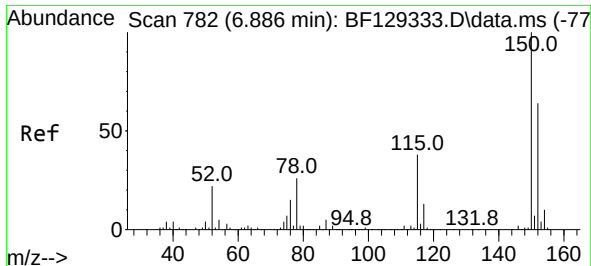
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ClientSampleId :
TP2-2FT

Quant Time: Aug 10 21:54:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
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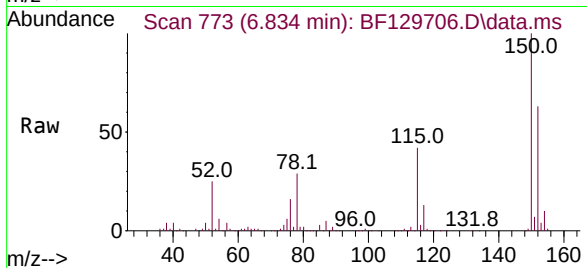
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Supervised By :Jagrut Upadhyay 08/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

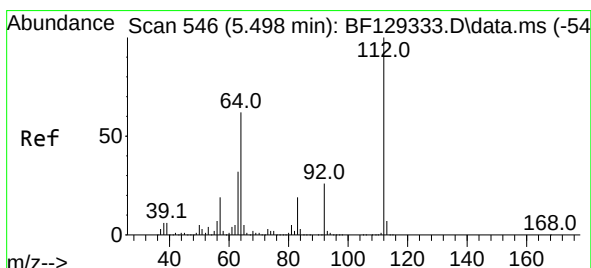
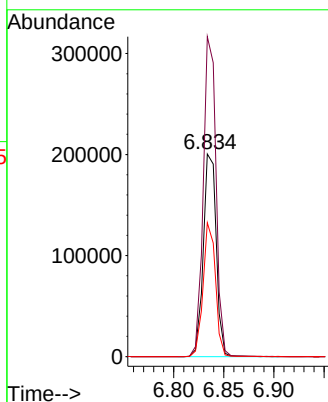
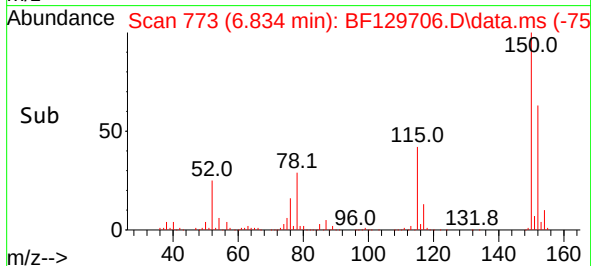
Instrument :
BNA_F
ClientSampleId :
TP2-2FT



Tgt Ion:152 Resp: 179510
Ion Ratio Lower Upper
152 100
150 158.0 123.7 185.5
115 66.1 49.9 74.9

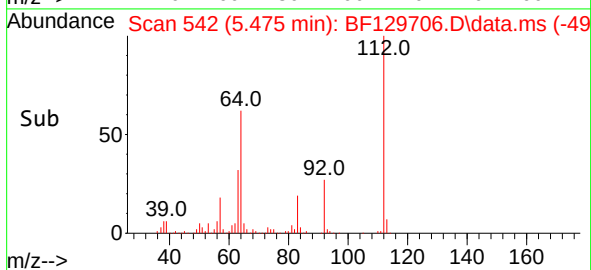
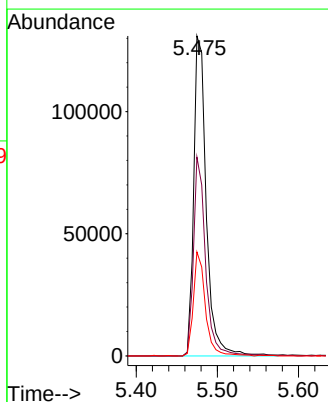
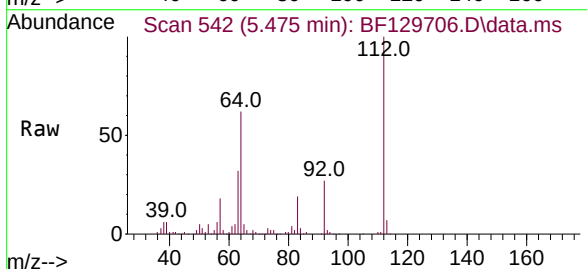
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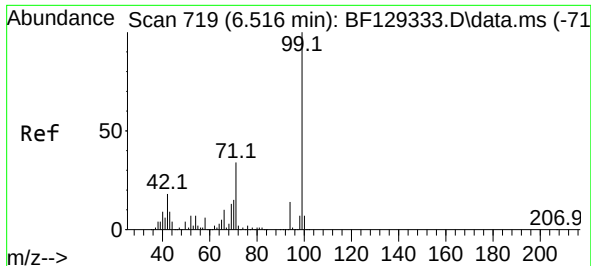
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#5
2-Fluorophenol
Concen: 12.791 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.006 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

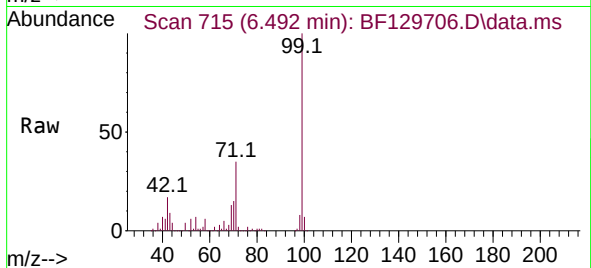
Tgt Ion:112 Resp: 140951
Ion Ratio Lower Upper
112 100
64 62.1 53.3 79.9
63 32.5 28.0 42.0





#7
Phenol-d6
Concen: 13.057 ng
RT: 6.492 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

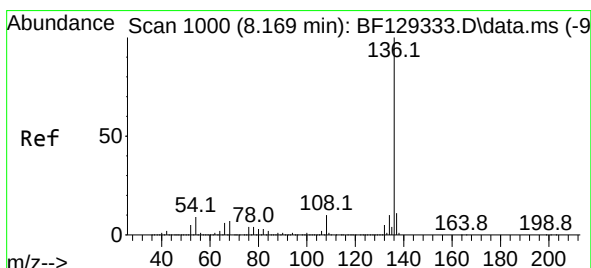
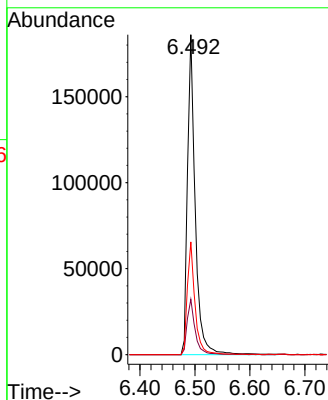
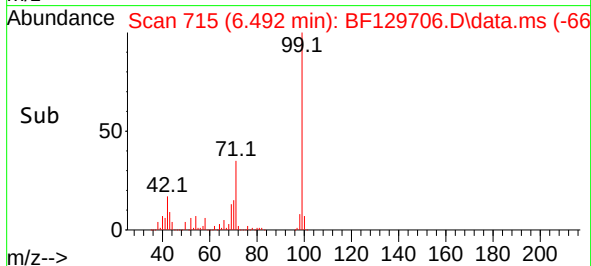
Instrument :
BNA_F
ClientSampleId :
TP2-2FT



Tgt Ion: 99 Resp: 180852
Ion Ratio Lower Upper
99 100
42 17.3 17.3 25.9
71 35.2 28.9 43.3

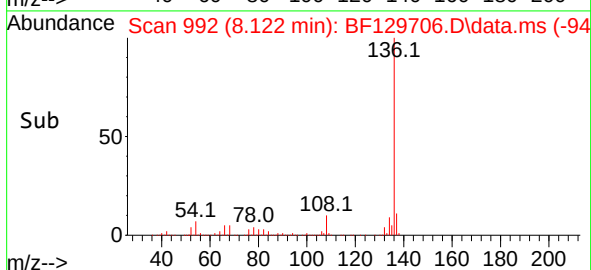
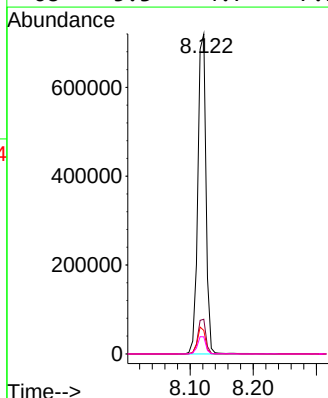
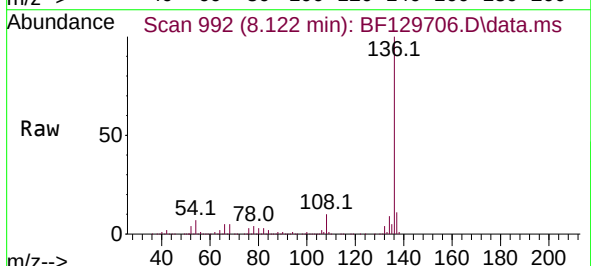
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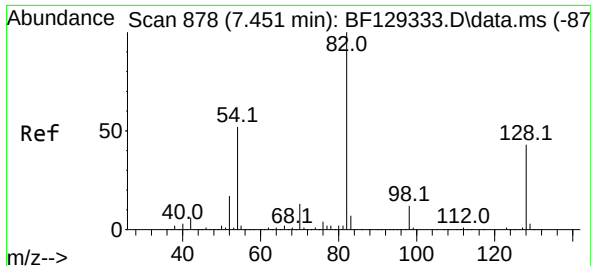
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Supervised By :Jagrut Upadhyay 08/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

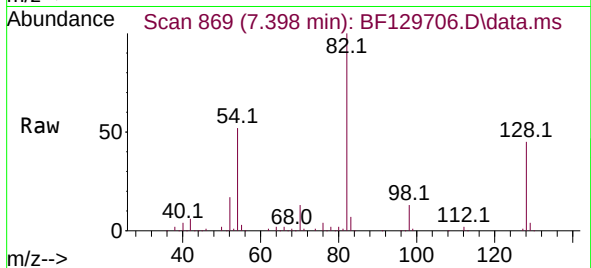
Tgt Ion:136 Resp: 649039
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.3 7.5 11.3#
68 5.3 4.7 7.1





#23
Nitrobenzene-d5
Concen: 9.052 ng
RT: 7.398 min Scan# 80
Delta R.T. -0.024 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

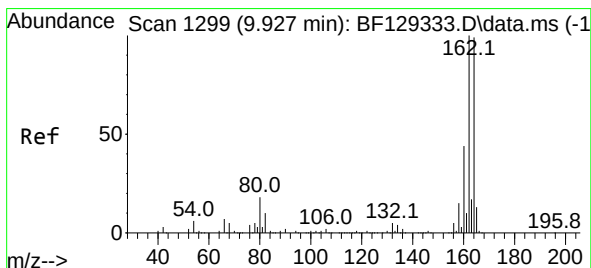
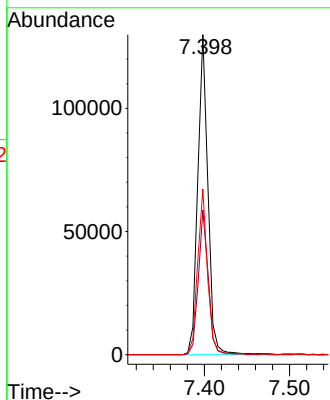
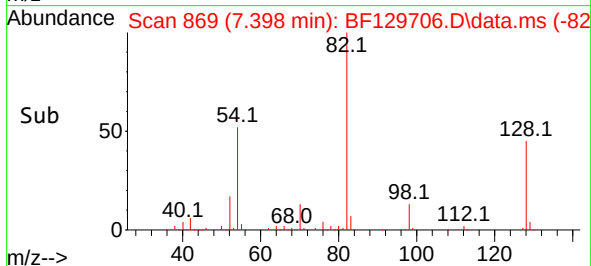
Instrument :
BNA_F
ClientSampleId :
TP2-2FT



Tgt Ion: 82 Resp: 107621
Ion Ratio Lower Upper
82 100
128 45.2 34.0 51.0
54 51.7 46.9 70.3

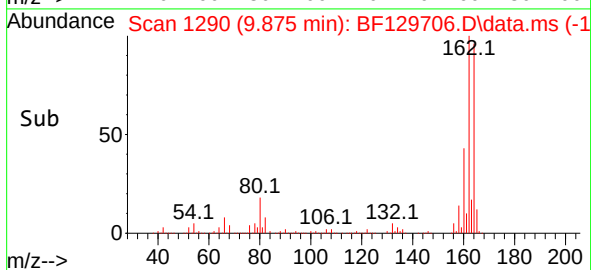
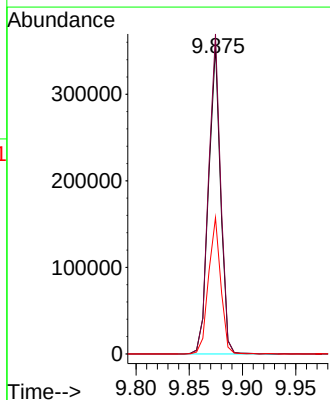
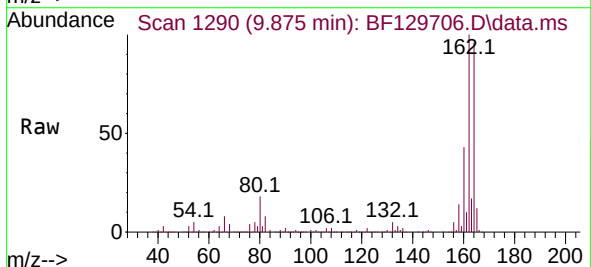
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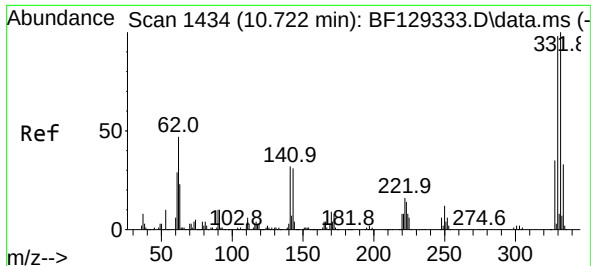
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1290
Delta R.T. -0.018 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

Tgt Ion:164 Resp: 276674
Ion Ratio Lower Upper
164 100
162 103.9 79.5 119.3
160 44.2 34.2 51.4





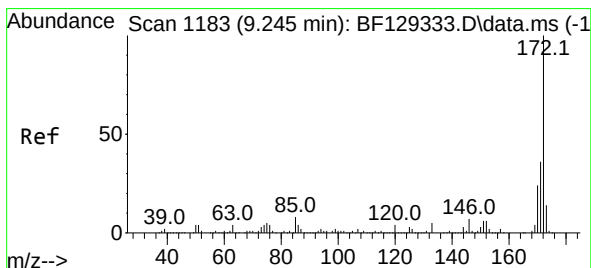
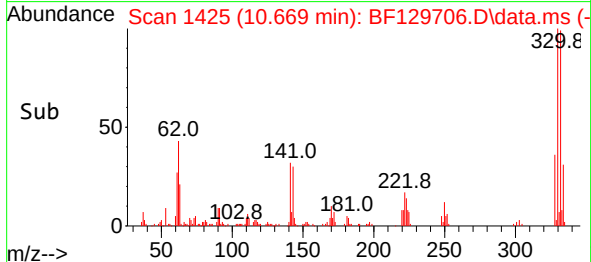
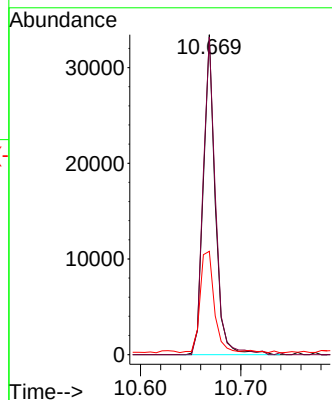
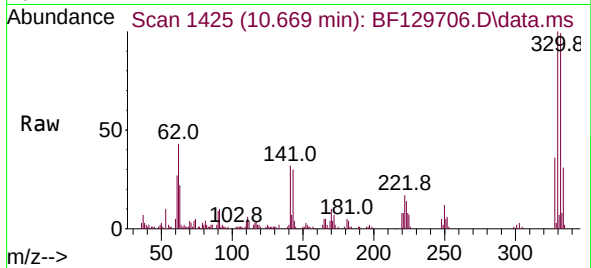
#42
2,4,6-Tribromophenol
Concen: 10.305 ng
RT: 10.669 min Scan# 1434
Delta R.T. -0.018 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

Instrument :
BNA_F
ClientSampleId :
TP2-2FT

Tgt Ion: 330 Resp: 27411
Ion Ratio Lower Upper
330 100
332 102.4 76.8 115.2
141 37.7 28.0 42.0

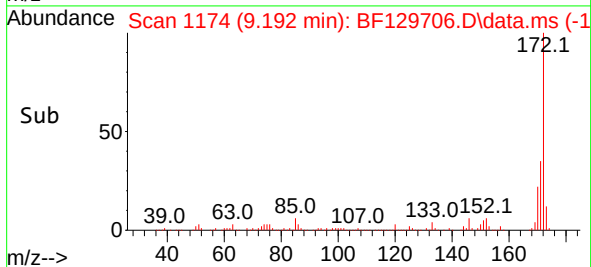
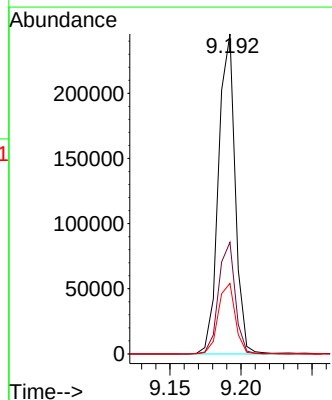
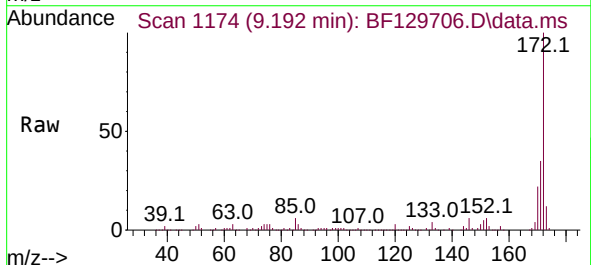
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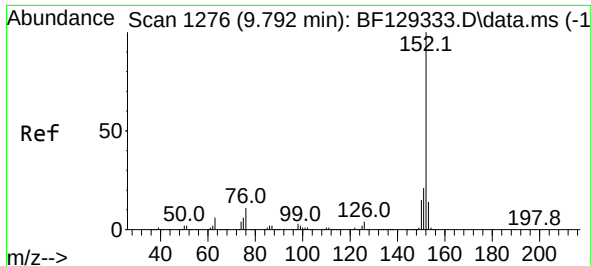
Reviewed By : Christian Giraldo 08/11/2022
Supervised By : Jagrut Upadhyay 08/11/2022



#45
2-Fluorobiphenyl
Concen: 11.235 ng
RT: 9.192 min Scan# 1174
Delta R.T. -0.018 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

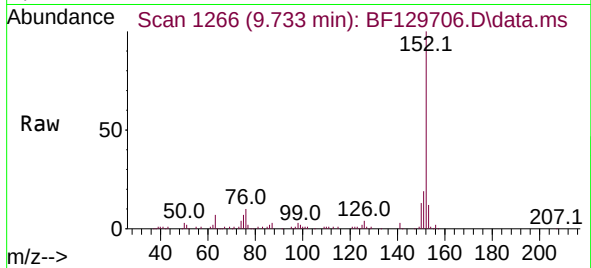
Tgt Ion: 172 Resp: 200934
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 22.0 19.8 29.8





#49
Acenaphthylene
Concen: 2.108 ng
RT: 9.733 min Scan# 1543
Delta R.T. -0.024 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

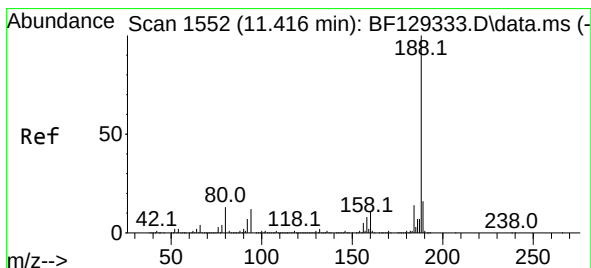
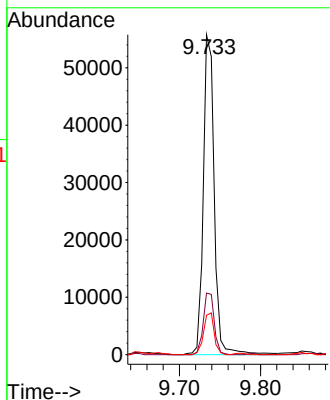
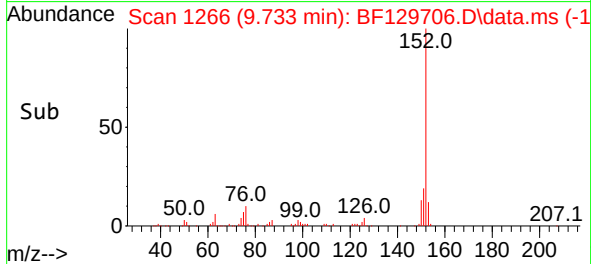
Instrument :
BNA_F
ClientSampleId :
TP2-2FT



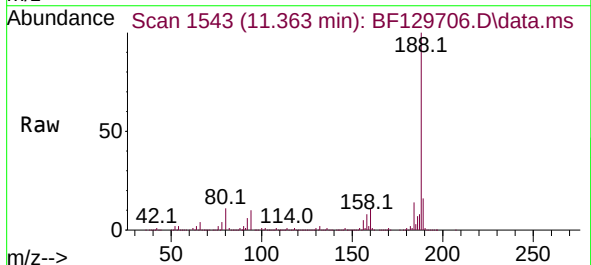
Tgt Ion:152 Resp: 52296
Ion Ratio Lower Upper
152 100
151 19.2 16.2 24.4
153 12.3 10.7 16.1

Manual Integrations
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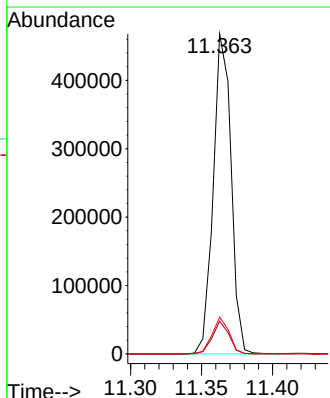
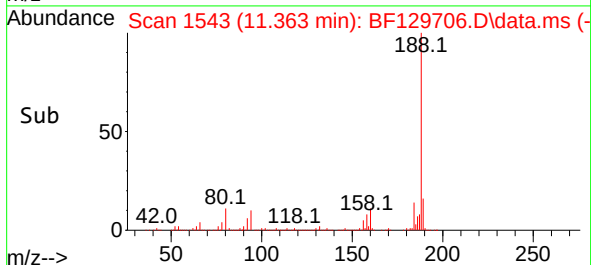
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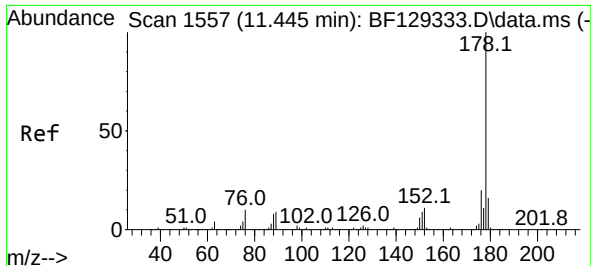


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.018 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58



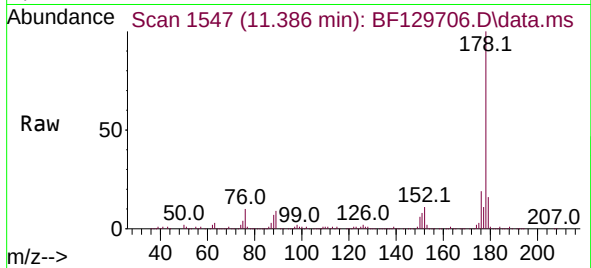
Tgt Ion:188 Resp: 410228
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.6
80 11.5 7.6 11.4





#71
Phenanthrene
Concen: 4.815 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

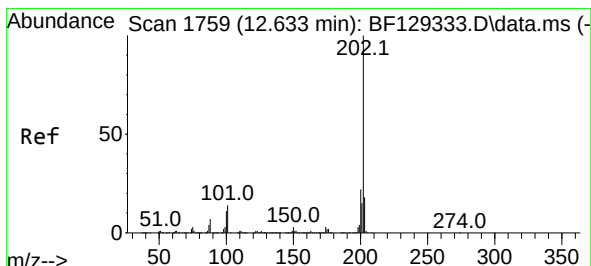
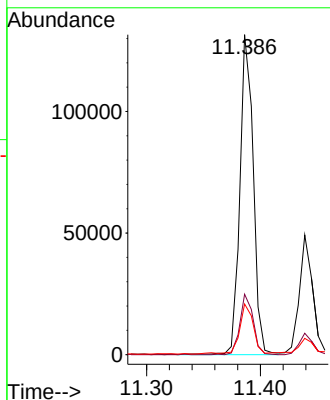
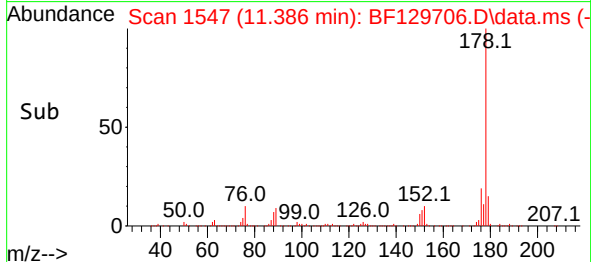
Instrument :
BNA_F
ClientSampleId :
TP2-2FT



Tgt Ion:178 Resp: 107822
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.8 12.6 19.0

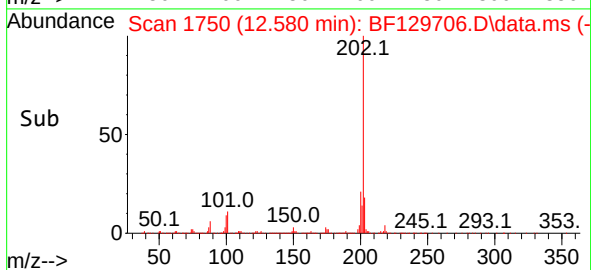
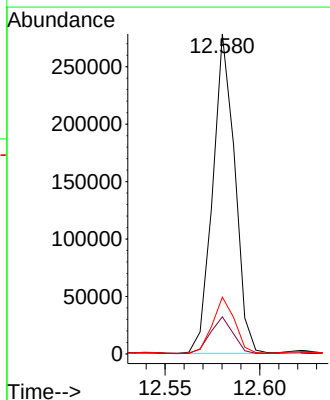
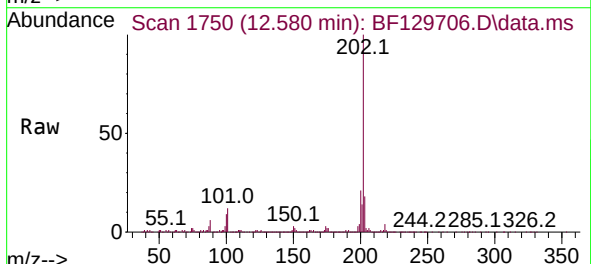
Manual Integrations
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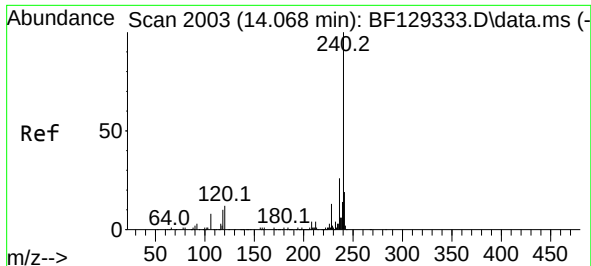
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#75
Fluoranthene
Concen: 9.940 ng
RT: 12.580 min Scan# 1750
Delta R.T. -0.018 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

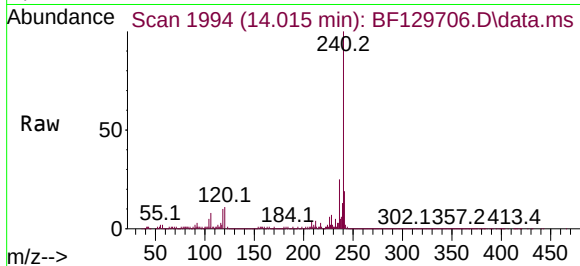
Tgt Ion:202 Resp: 225532
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.4
203 17.7 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

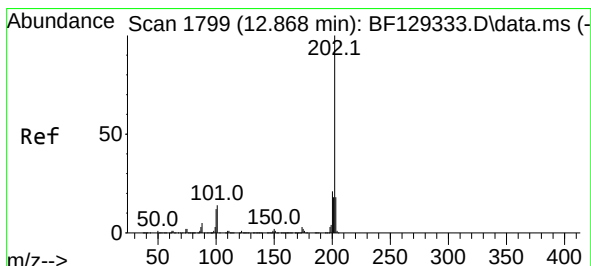
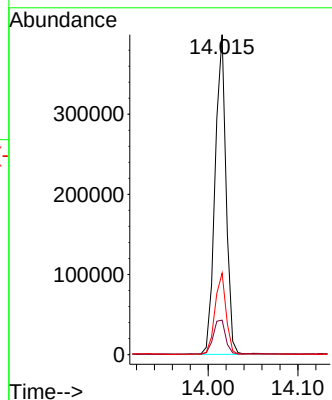
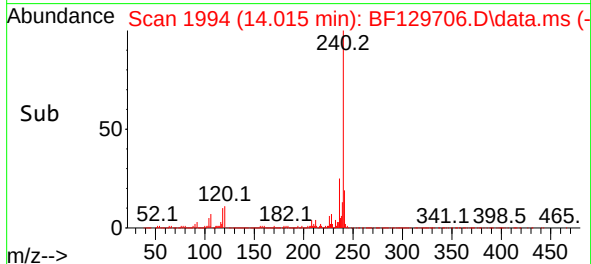
Instrument :
BNA_F
ClientSampleId :
TP2-2FT



Tgt Ion:240 Resp: 339396
Ion Ratio Lower Upper
240 100
120 10.8 8.9 13.3
236 25.5 20.8 31.2

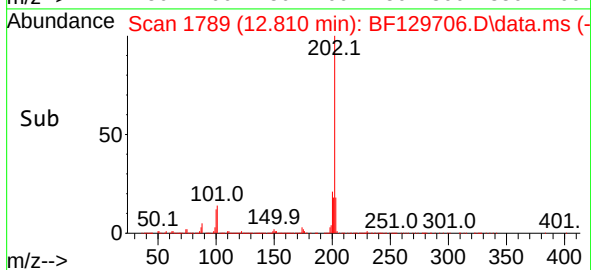
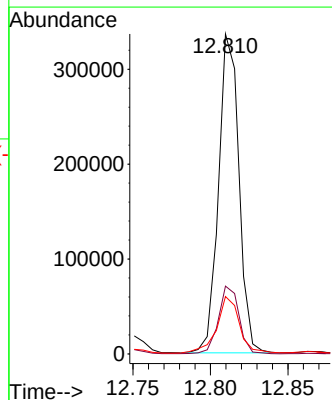
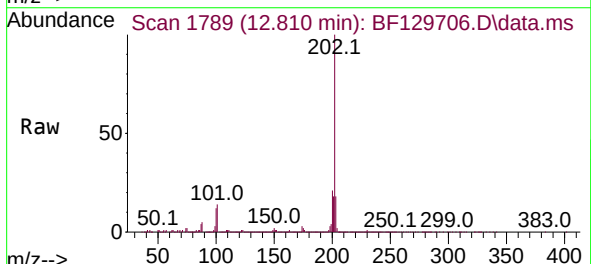
Manual Integrations
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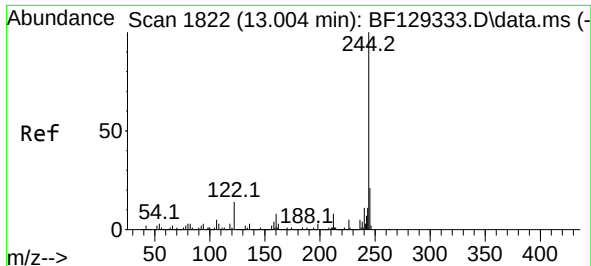
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#78
Pyrene
Concen: 10.892 ng
RT: 12.810 min Scan# 1789
Delta R.T. -0.018 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

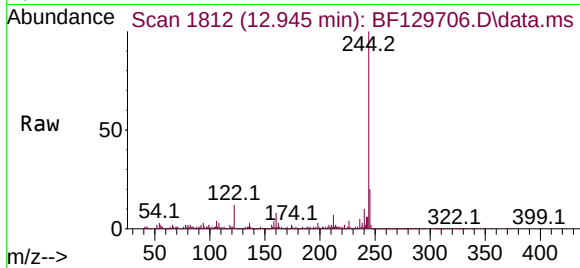
Tgt Ion:202 Resp: 309127
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.9 14.6 21.8





#79
Terphenyl-d14
Concen: 9.258 ng
RT: 12.945 min Scan# 1822
Delta R.T. -0.024 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

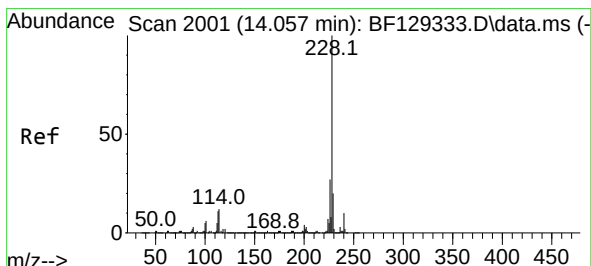
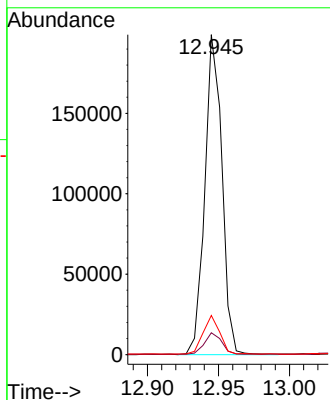
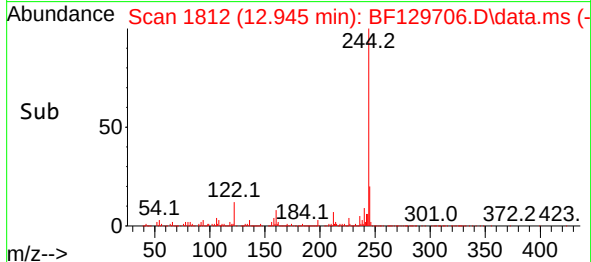
Instrument :
BNA_F
ClientSampleId :
TP2-2FT



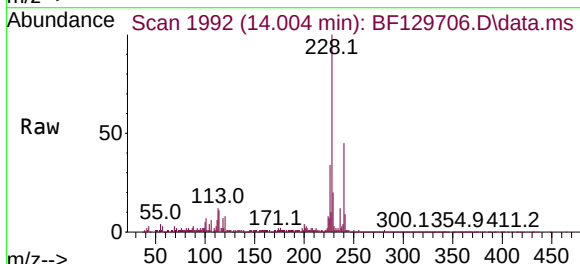
Tgt Ion:244 Resp: 166544
Ion Ratio Lower Upper
244 100
212 6.8 6.1 9.1
122 12.2 8.8 13.2

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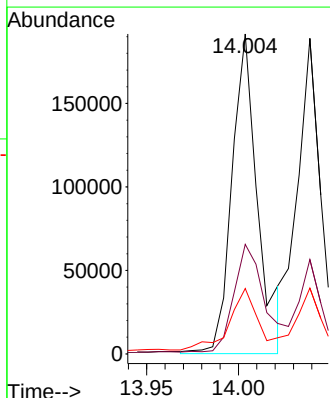
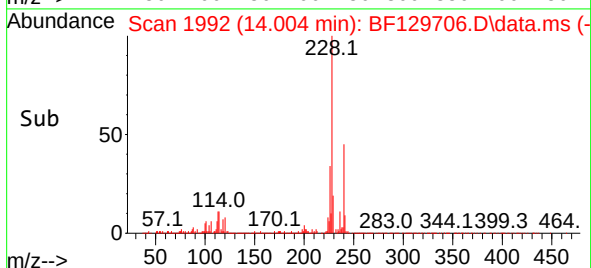
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

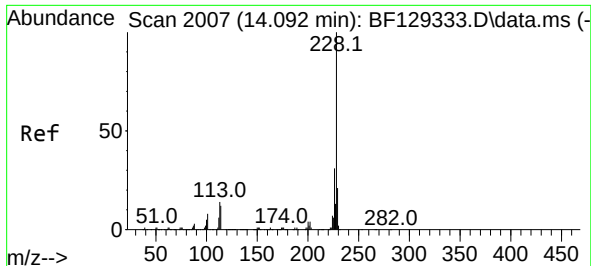


#81
Benzo(a)anthracene
Concen: 8.084 ng m
RT: 14.004 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58



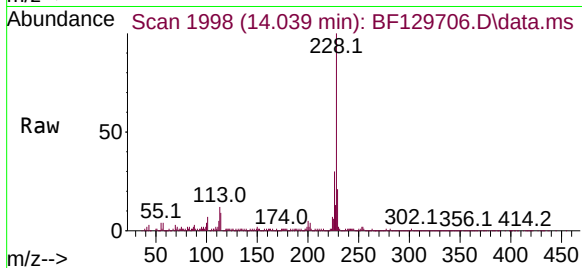
Tgt Ion:228 Resp: 187421
Ion Ratio Lower Upper
228 100
226 34.2 22.1 33.1#
229 20.4 15.8 23.8





#83
Chrysene
Concen: 7.364 ng
RT: 14.039 min Scan# 19
Delta R.T. -0.018 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

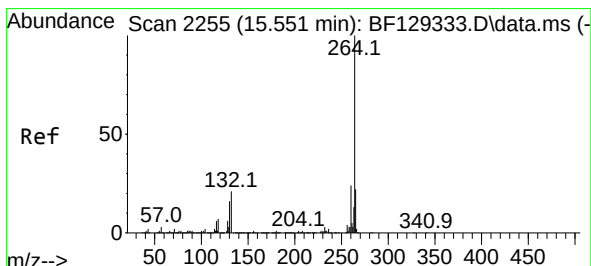
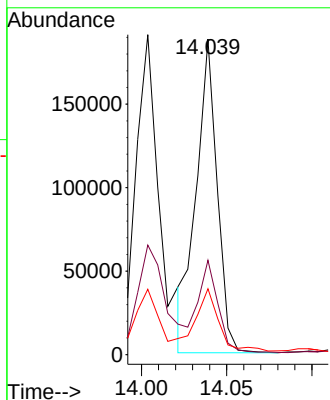
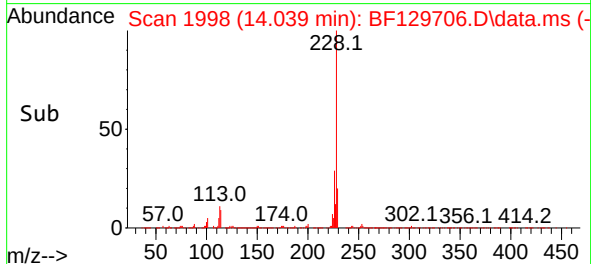
Instrument :
BNA_F
ClientSampleId :
TP2-2FT



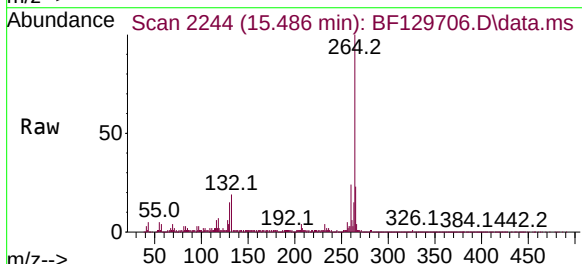
Tgt Ion:228 Resp: 160895
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 20.9 15.9 23.9

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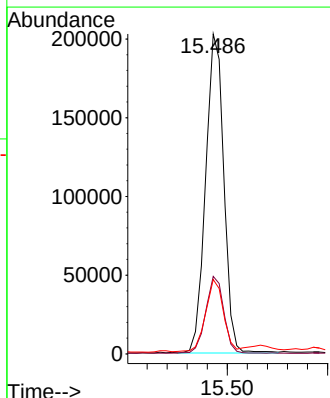
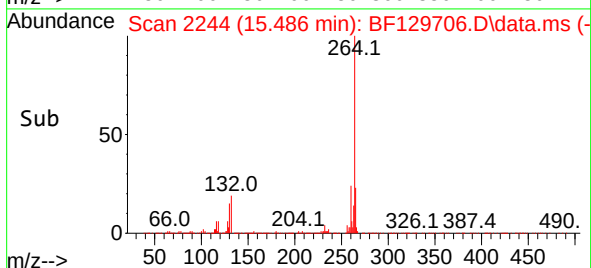
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

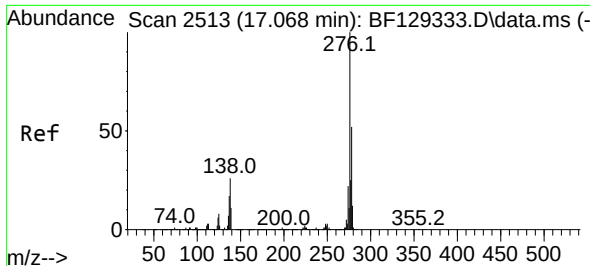


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2244
Delta R.T. -0.018 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58



Tgt Ion:264 Resp: 255341
Ion Ratio Lower Upper
264 100
260 24.3 18.4 27.6
265 23.2 17.2 25.8





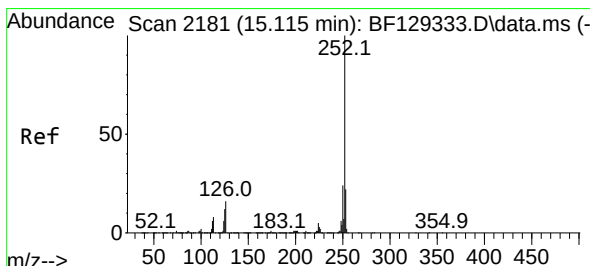
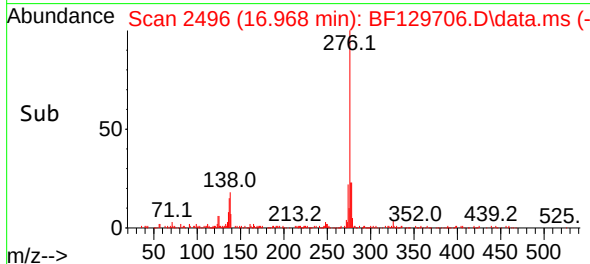
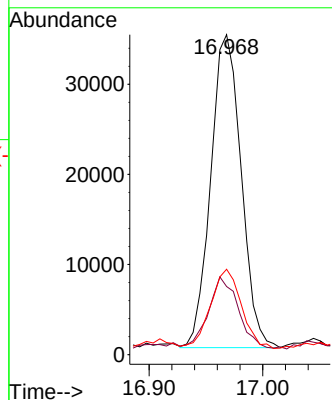
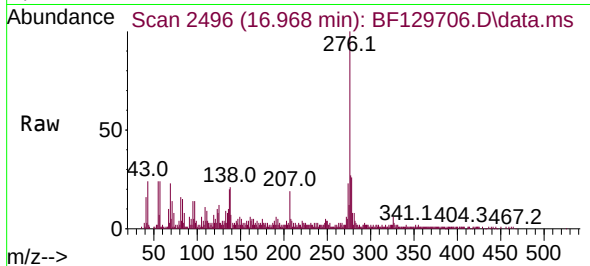
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.757 ng
RT: 16.968 min Scan# 2496
Delta R.T. -0.030 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

Instrument :
BNA_F
ClientSampleId :
TP2-2FT

Tgt Ion:276 Resp: 64599
Ion Ratio Lower Upper
276 100
138 23.1 21.1 31.7
277 25.4 20.3 30.5

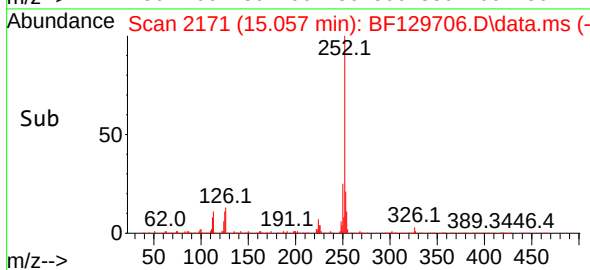
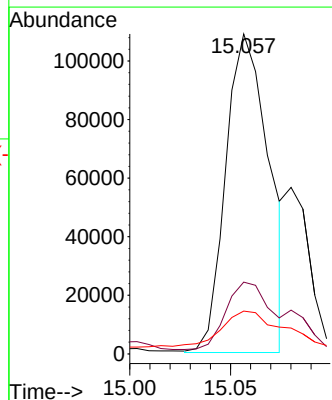
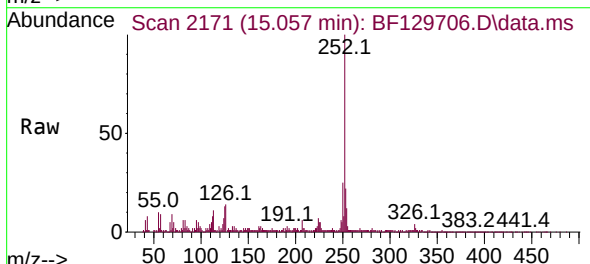
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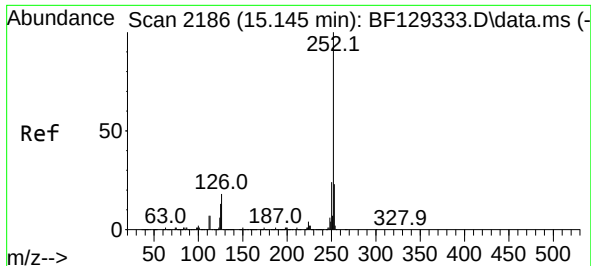
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#88
Benzo(b)fluoranthene
Concen: 9.604 ng m
RT: 15.057 min Scan# 2171
Delta R.T. -0.012 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

Tgt Ion:252 Resp: 162671
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 13.4 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 2.806 ng m

RT: 15.080 min Scan# 2186

Delta R.T. -0.024 min

Lab File: BF129706.D

Acq: 10 Aug 2022 20:58

Instrument :

BNA_F

ClientSampleId :

TP2-2FT

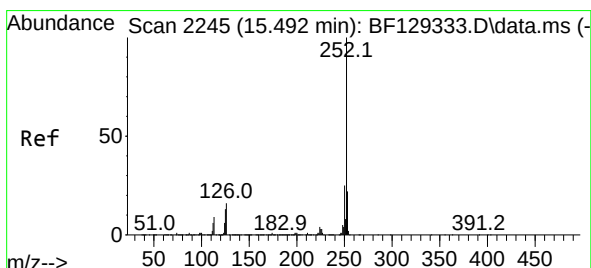
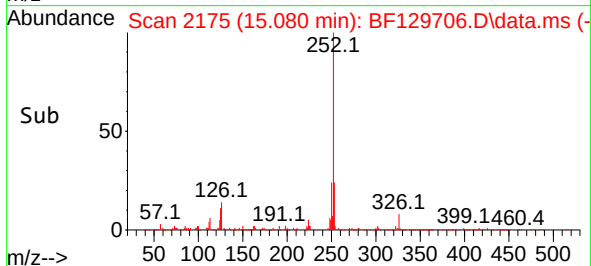
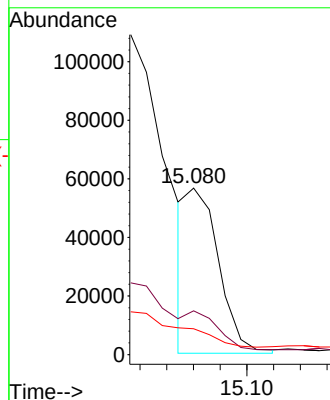
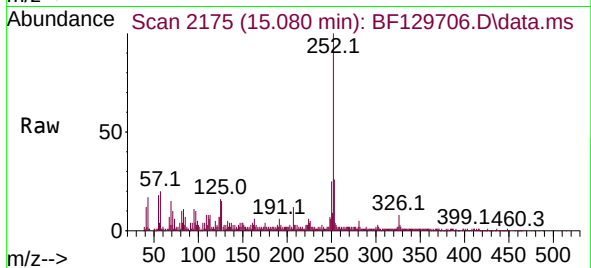
Tgt Ion:252	Resp:	46575
Ion Ratio	Lower	Upper
252	100	
253	26.3	17.8 26.6
125	15.6	8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/11/2022

Supervised By :Jagrut Upadhyay 08/11/2022



#90

Benzo(a)pyrene

Concen: 8.771 ng

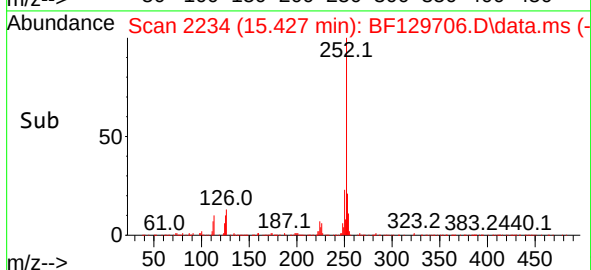
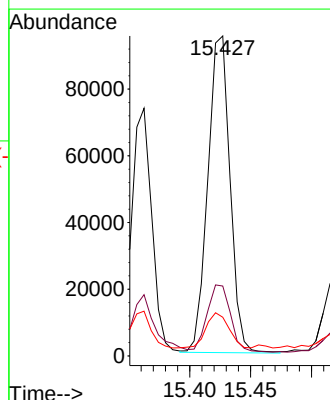
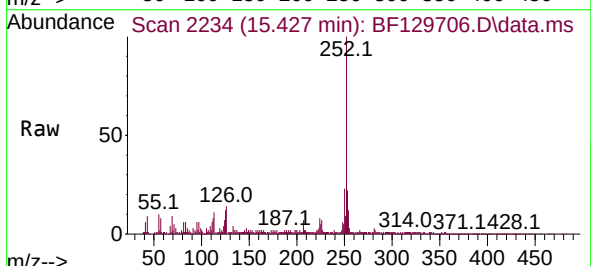
RT: 15.427 min Scan# 2234

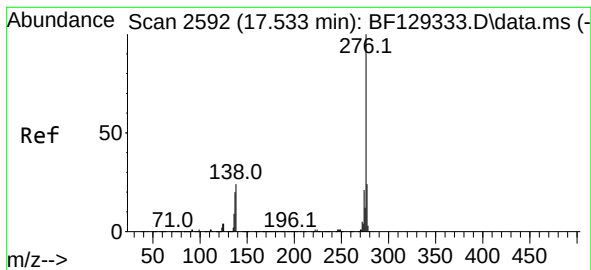
Delta R.T. -0.012 min

Lab File: BF129706.D

Acq: 10 Aug 2022 20:58

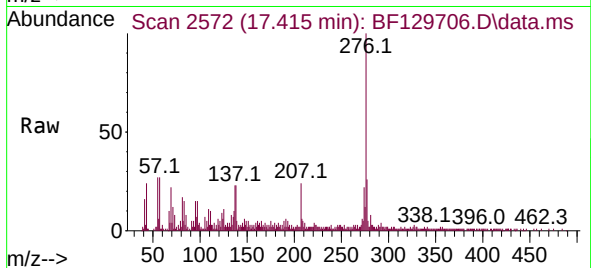
Tgt Ion:252	Resp:	120597
Ion Ratio	Lower	Upper
252	100	
253	21.8	17.0 25.6
125	12.1	8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 4.706 ng
RT: 17.415 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF129706.D
Acq: 10 Aug 2022 20:58

Instrument :
BNA_F
ClientSampleId :
TP2-2FT



Tgt Ion:276 Resp: 67294
Ion Ratio Lower Upper
276 100
277 25.8 19.1 28.7
138 22.7 18.0 27.0

Manual Integrations
APPROVED

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

