

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051822\
 Data File : BF128320.D
 Acq On : 18 May 2022 19:26
 Operator : CG\JU
 Sample : N2906-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CDF-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/19/2022
 Supervised By : Jagrut Upadhyay 05/19/2022

Quant Time: May 19 06:50:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 06:47:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	79719	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	304208	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	169192	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	295148	20.000	ng	0.00
76) Chrysene-d12	14.045	240	173729	20.000	ng	#-0.01
86) Perylene-d12	15.539	264	191254	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	458105	91.607	ng	0.00
7) Phenol-d6	6.504	99	618392	93.493	ng	0.00
23) Nitrobenzene-d5	7.434	82	448009	66.267	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	162322	83.653	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	713455	65.980	ng	0.00
79) Terphenyl-d14	12.986	244	668690	72.224	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	50192	3.415	ng	99
75) Fluoranthene	12.616	202	198687	12.470	ng	99
78) Pyrene	12.845	202	165359	13.127	ng	98
81) Benzo(a)anthracene	14.039	228	120696m	10.877	ng	
83) Chrysene	14.074	228	96950	9.157	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	53890	4.658	ng	97
88) Benzo(b)fluoranthene	15.098	252	117673m	9.925	ng	
89) Benzo(k)fluoranthene	15.121	252	44126m	3.770	ng	
90) Benzo(a)pyrene	15.474	252	98017	10.241	ng	98
92) Benzo(g,h,i)perylene	17.503	276	44118	4.652	ng	94

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

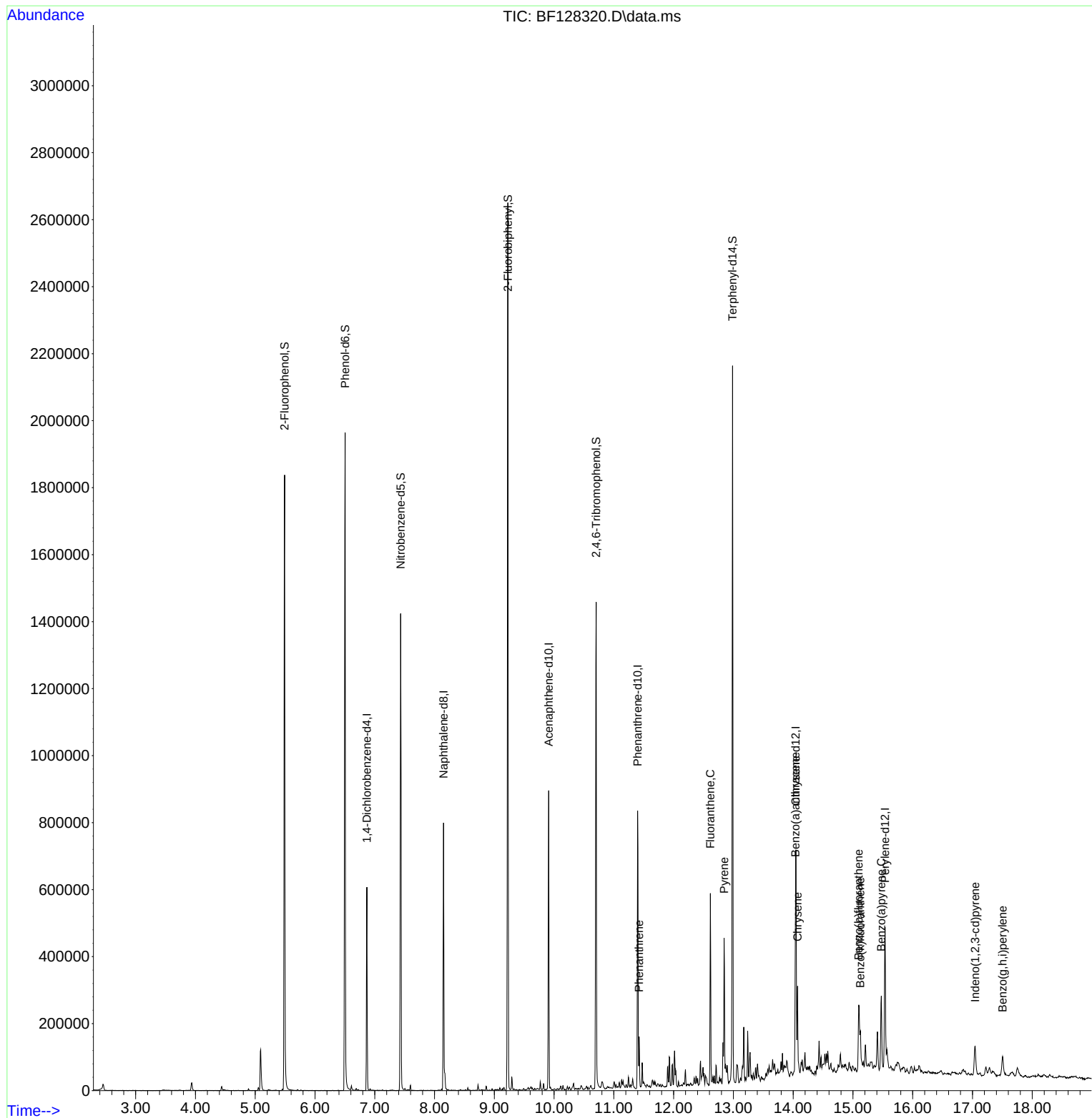
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051822\
Data File : BF128320.D
Acq On : 18 May 2022 19:26
Operator : CG\JU
Sample : N2906-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

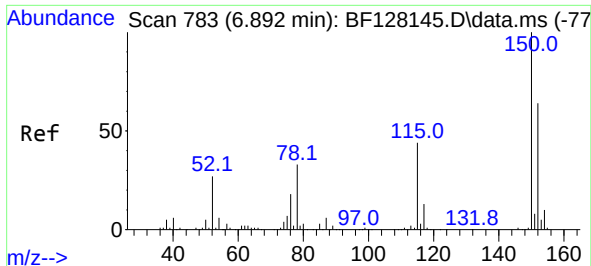
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CDF-1

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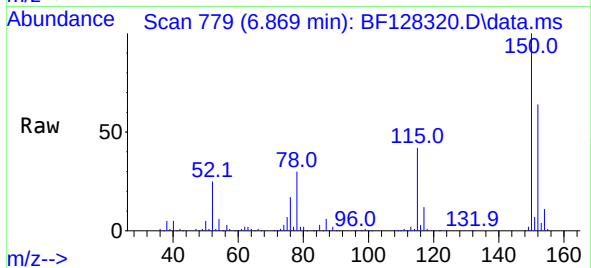
Quant Time: May 19 06:50:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 06:47:51 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

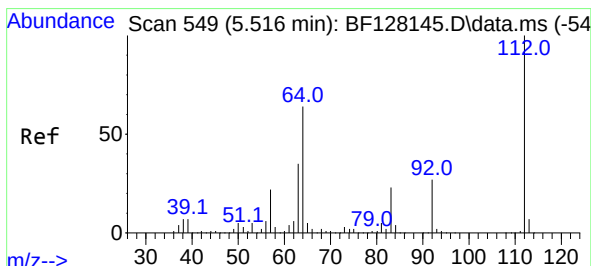
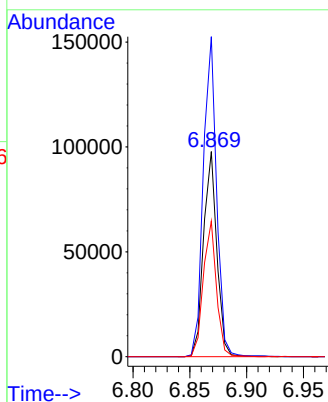
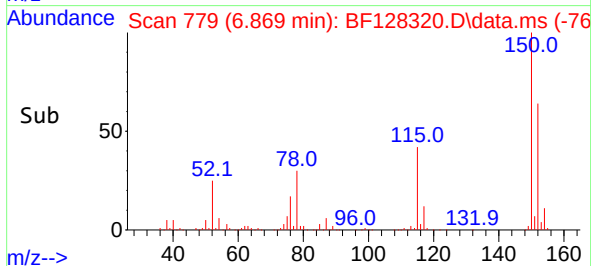
Instrument :
BNA_F
ClientSampleId :
CDF-1



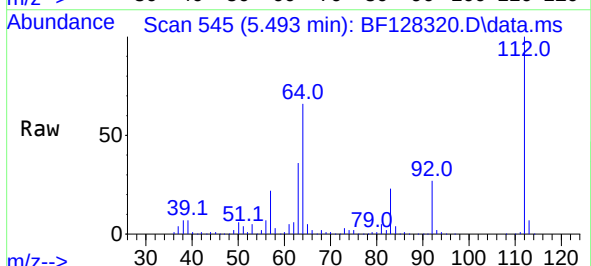
Tgt Ion:152 Resp: 79719
Ion Ratio Lower Upper
152 100
150 156.0 125.3 187.9
115 66.0 48.8 73.2

Manual Integrations
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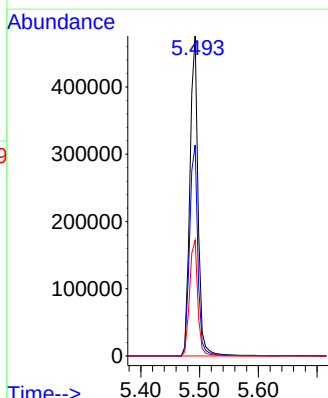
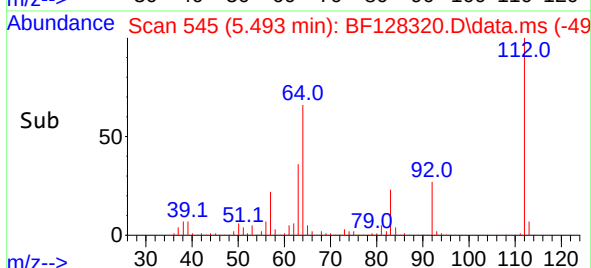
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

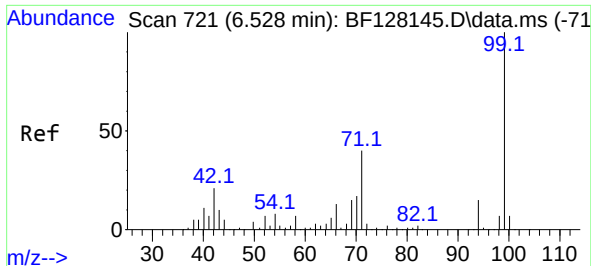


#5
2-Fluorophenol
Concen: 91.607 ng
RT: 5.493 min Scan# 545
Delta R.T. 0.000 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26



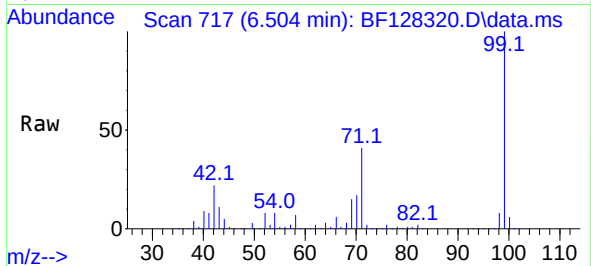
Tgt Ion:112 Resp: 458105
Ion Ratio Lower Upper
112 100
64 65.9 49.5 74.3
63 36.2 26.3 39.5





#7
Phenol-d6
Concen: 93.493 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

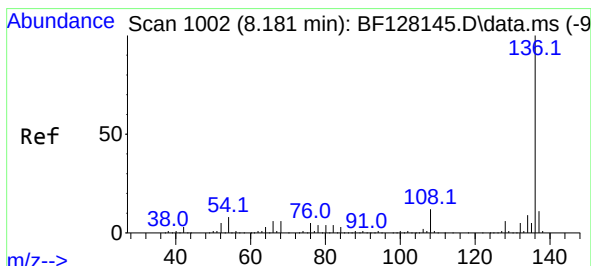
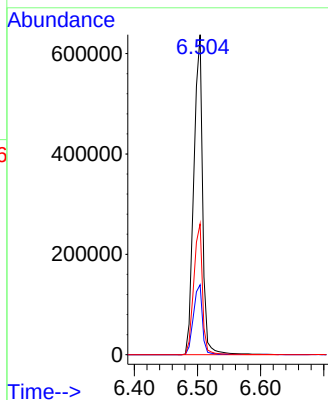
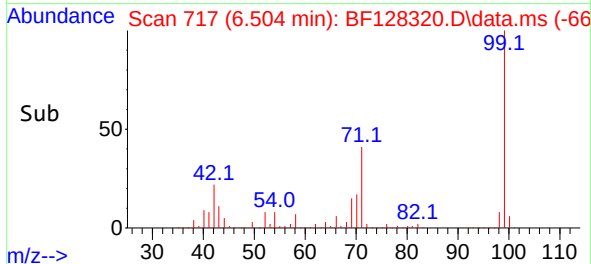
Instrument :
BNA_F
ClientSampleId :
CDF-1



Tgt Ion: 99 Resp: 618392
Ion Ratio Lower Upper
99 100
42 21.9 16.6 24.8
71 40.9 30.0 45.0

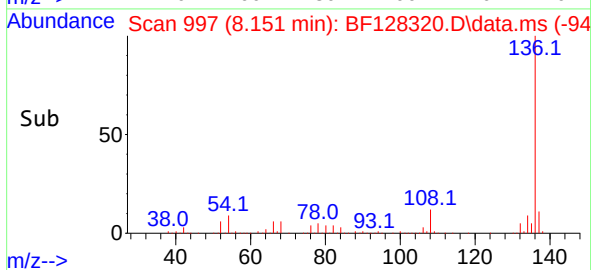
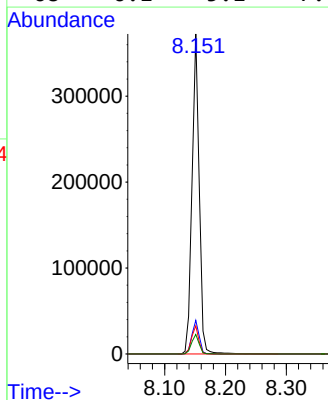
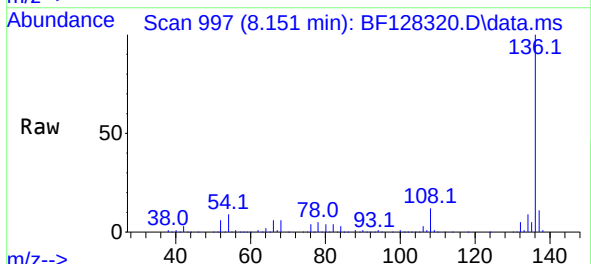
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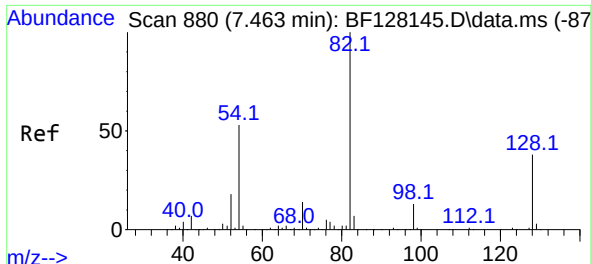
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

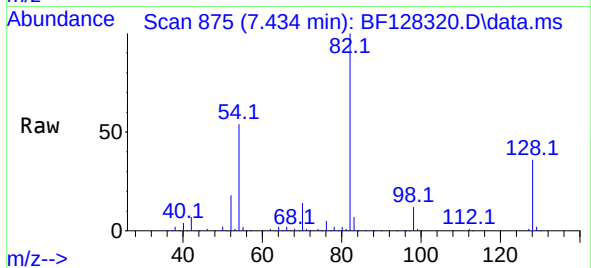
Tgt Ion:136 Resp: 304208
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.8 6.8 10.2
68 6.1 5.1 7.7





#23
Nitrobenzene-d5
Concen: 66.267 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

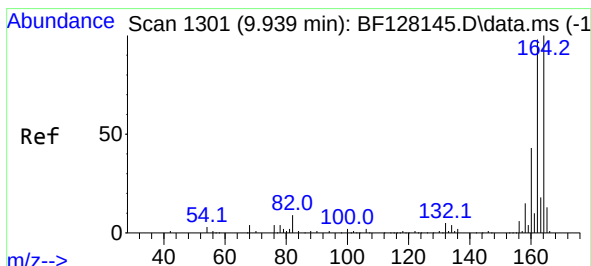
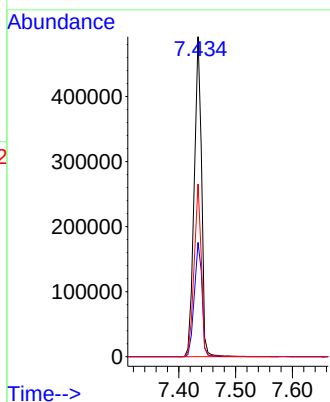
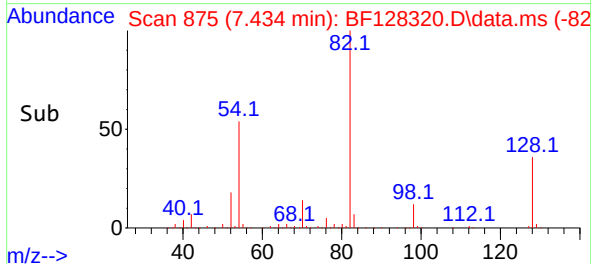
Instrument :
BNA_F
ClientSampleId :
CDF-1



Tgt Ion: 82 Resp: 448009
Ion Ratio Lower Upper
82 100
128 35.7 30.0 45.0
54 53.9 41.3 61.9

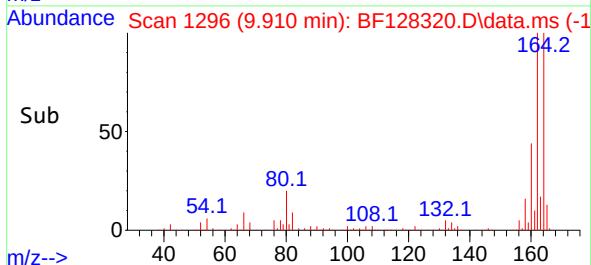
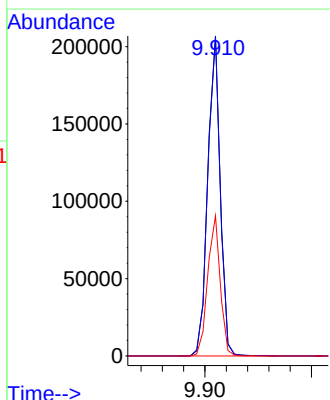
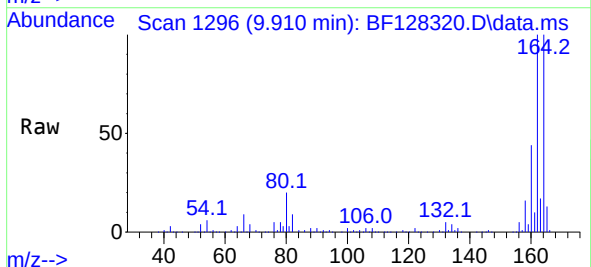
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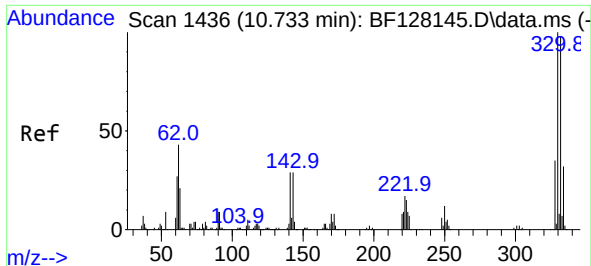
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Tgt Ion:164 Resp: 169192
Ion Ratio Lower Upper
164 100
162 99.8 76.0 114.0
160 43.8 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 83.653 ng
RT: 10.704 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Instrument :

BNA_F

ClientSampleId :

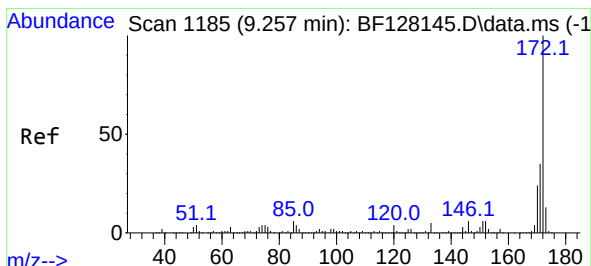
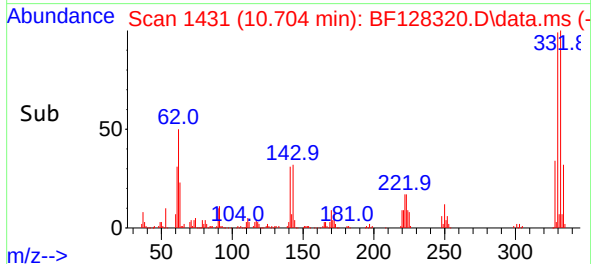
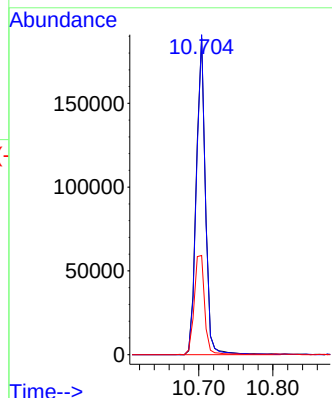
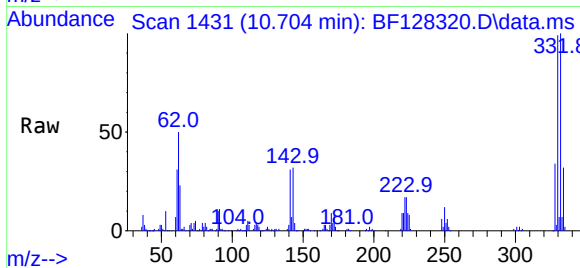
CDF-1

Tgt Ion:330 Resp: 16232
Ion Ratio Lower Upper
330 100
332 98.2 79.0 118.4
141 35.8 28.9 43.3

Manual Integrations

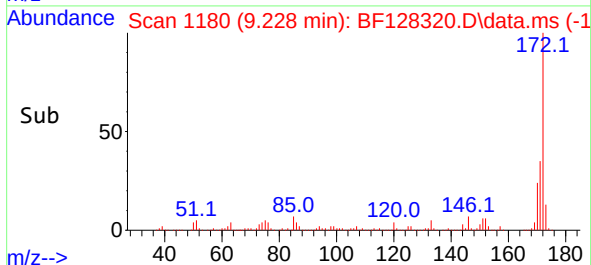
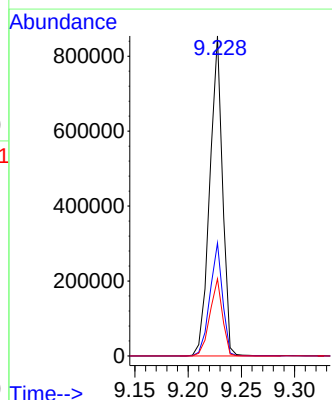
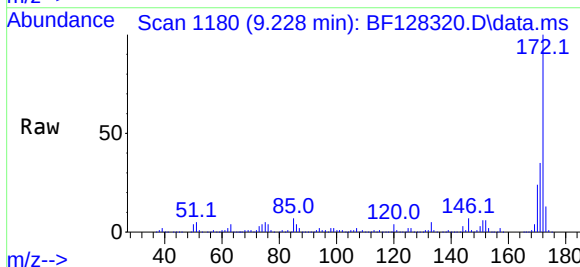
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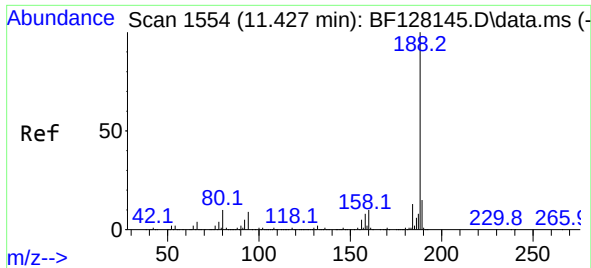
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#45
2-Fluorobiphenyl
Concen: 65.980 ng
RT: 9.228 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Tgt Ion:172 Resp: 713455
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 24.1 19.1 28.7





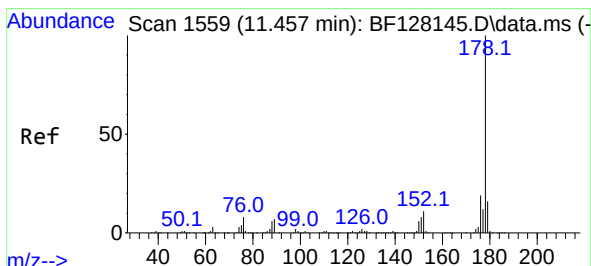
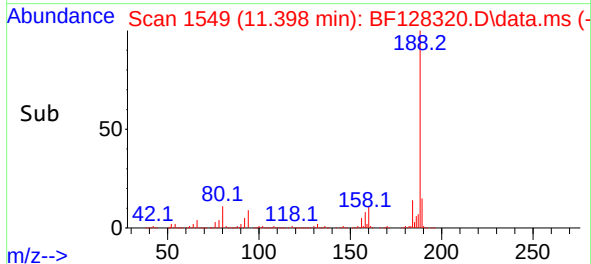
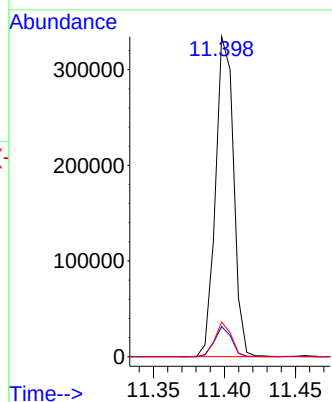
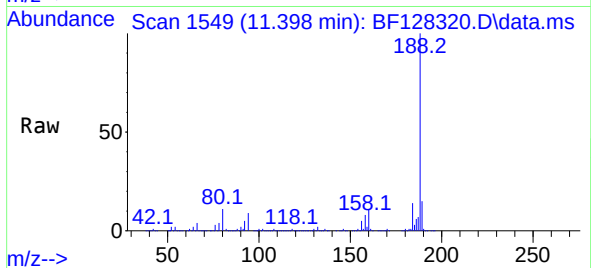
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Instrument :
BNA_F
ClientSampleId :
CDF-1

Tgt Ion:188 Resp: 29514
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.9 8.9 13.3

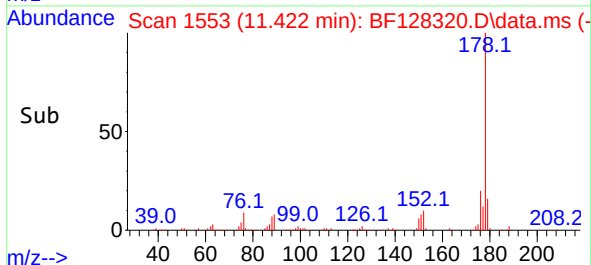
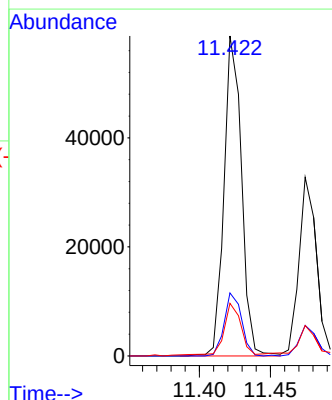
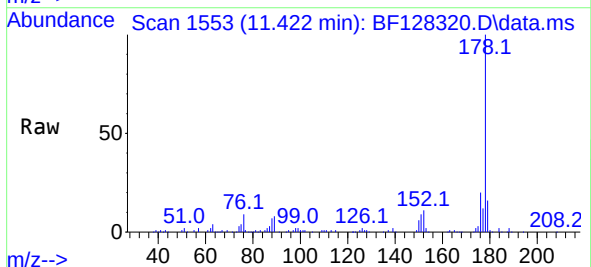
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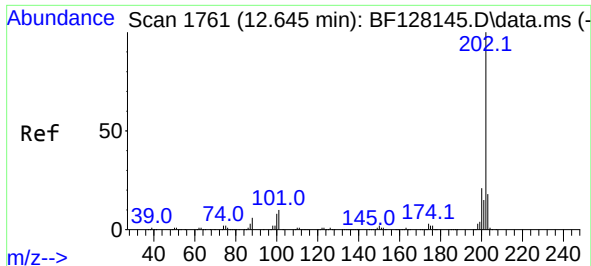
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#71
Phenanthrene
Concen: 3.415 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

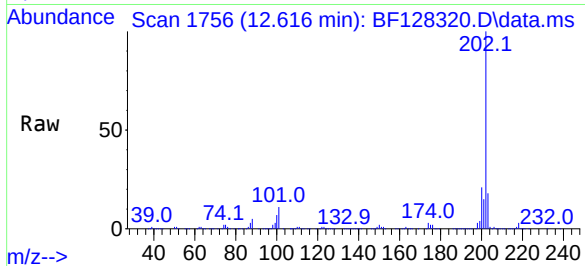
Tgt Ion:178 Resp: 50192
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 16.5 12.6 19.0





#75
Fluoranthene
Concen: 12.470 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

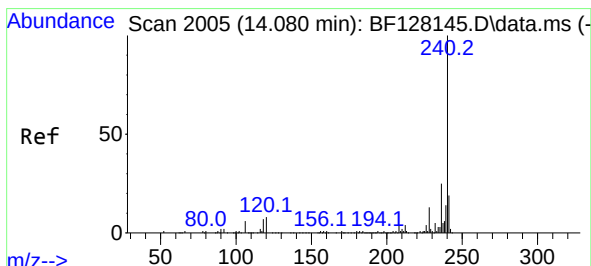
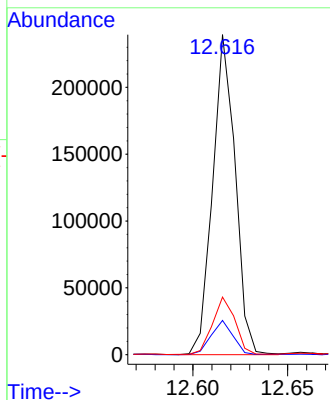
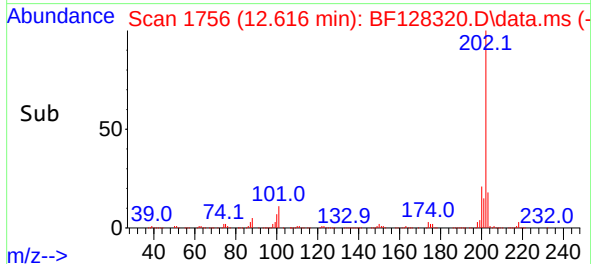
Instrument :
BNA_F
ClientSampleId :
CDF-1



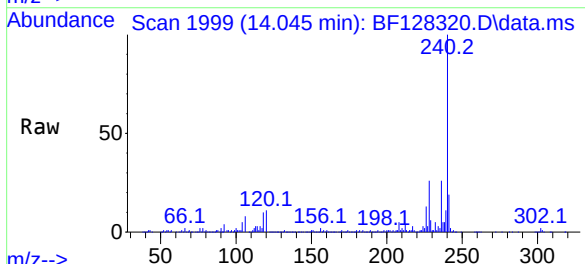
Tgt Ion:202 Resp: 19868
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.6
203 18.0 0.0 38.1

Manual Integrations
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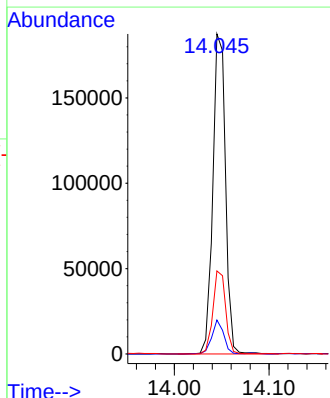
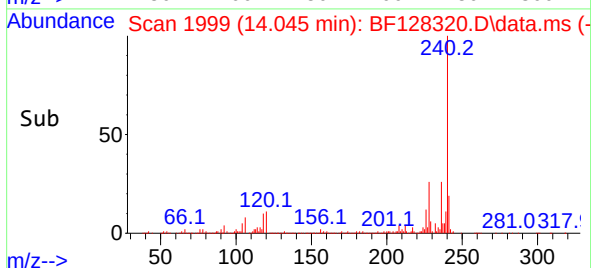
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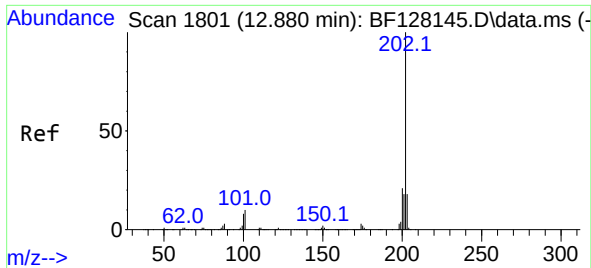


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26



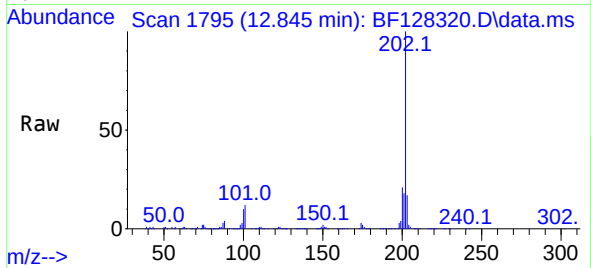
Tgt Ion:240 Resp: 173729
Ion Ratio Lower Upper
240 100
120 10.6 7.0 10.6#
236 26.0 20.3 30.5





#78
Pyrene
Concen: 13.127 ng
RT: 12.845 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

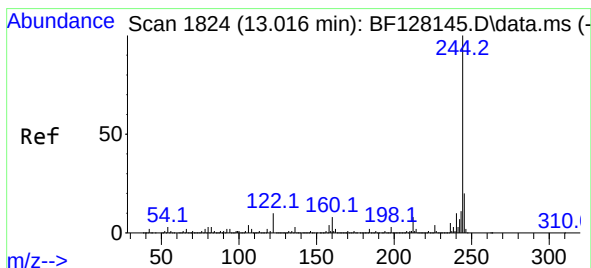
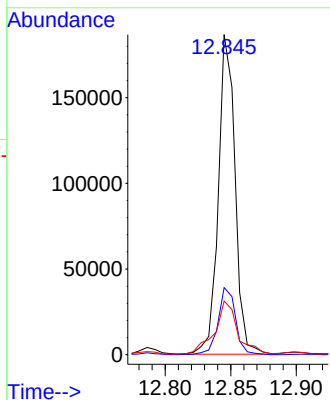
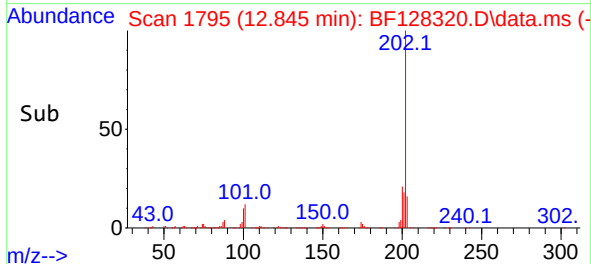
Instrument :
BNA_F
ClientSampleId :
CDF-1



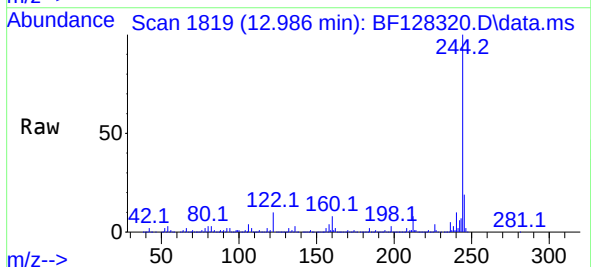
Tgt Ion:202 Resp: 16535
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 16.8 14.0 21.0

Manual Integrations
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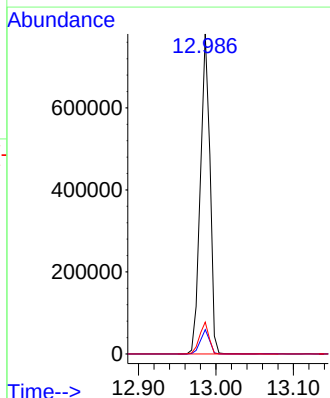
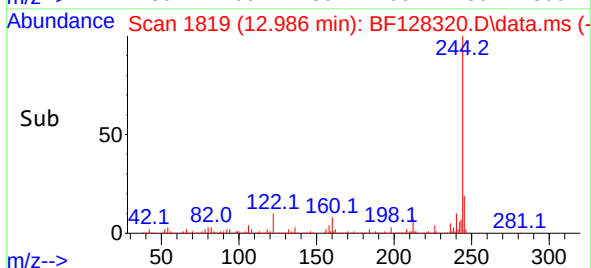
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

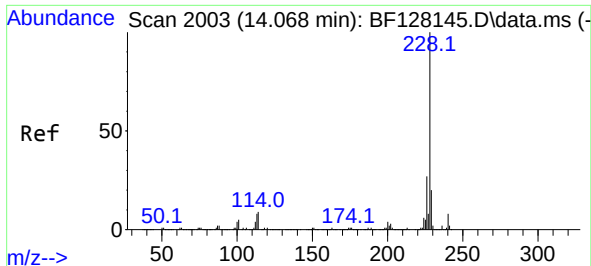


#79
Terphenyl-d14
Concen: 72.224 ng
RT: 12.986 min Scan# 1819
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26



Tgt Ion:244 Resp: 668690
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.4
122 10.0 8.6 12.8





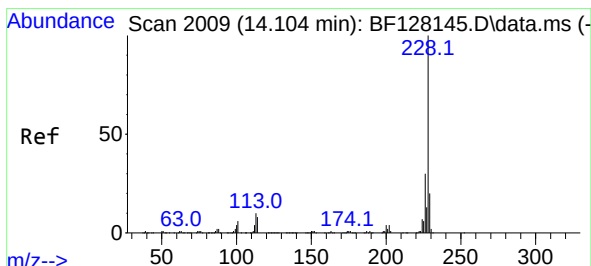
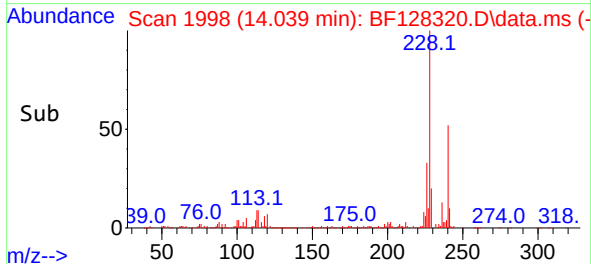
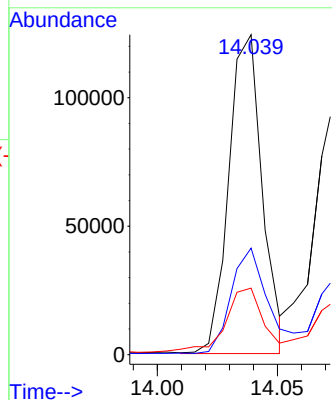
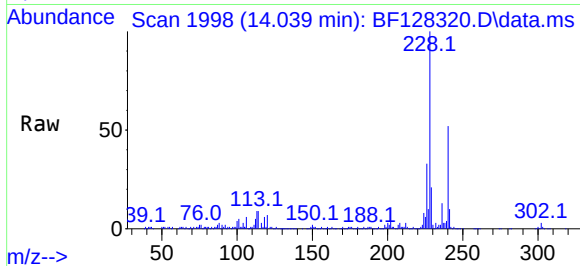
#81
Benzo(a)anthracene
Concen: 10.877 ng m
RT: 14.039 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Instrument :
BNA_F
ClientSampleId :
CDF-1

Tgt Ion:228 Resp: 120690
Ion Ratio Lower Upper
228 100
226 33.3 21.7 32.5
229 20.8 15.4 23.2

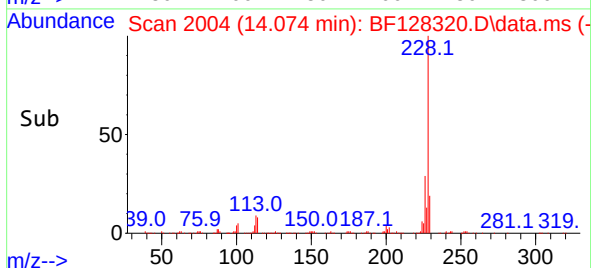
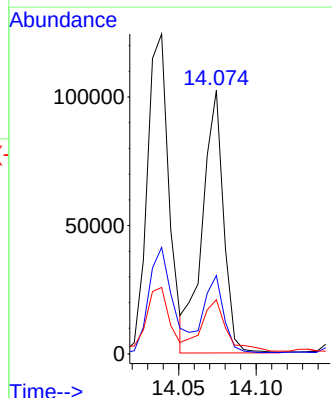
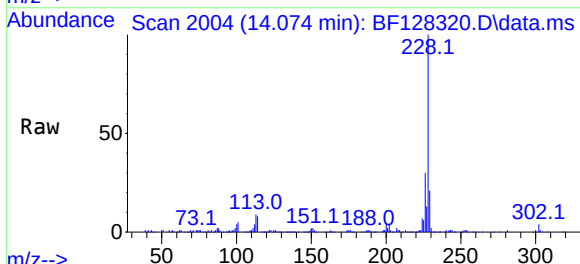
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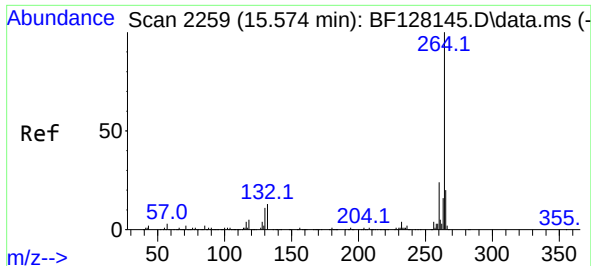
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#83
Chrysene
Concen: 9.157 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

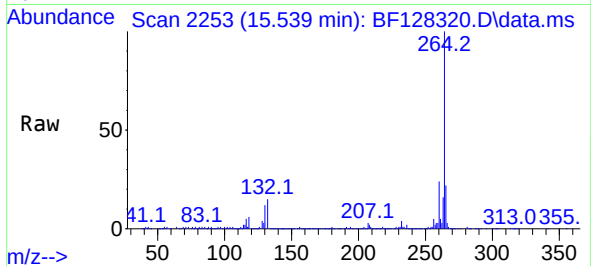
Tgt Ion:228 Resp: 96950
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 20.6 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

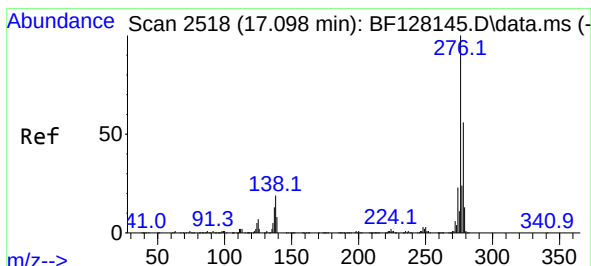
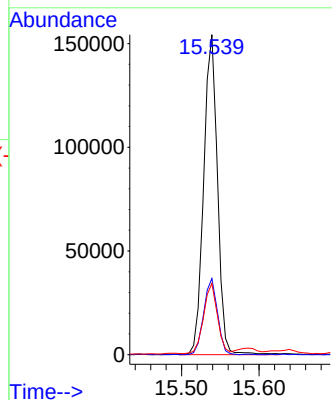
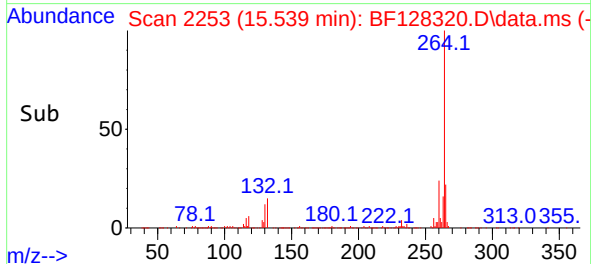
Instrument :
BNA_F
ClientSampleId :
CDF-1



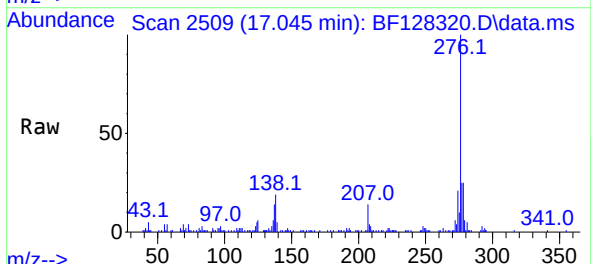
Tgt Ion:264 Resp: 191254
Ion Ratio Lower Upper
264 100
260 23.8 20.1 30.1
265 22.3 17.5 26.3

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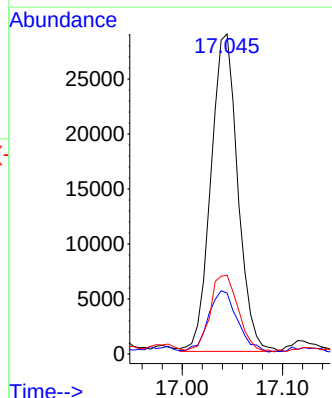
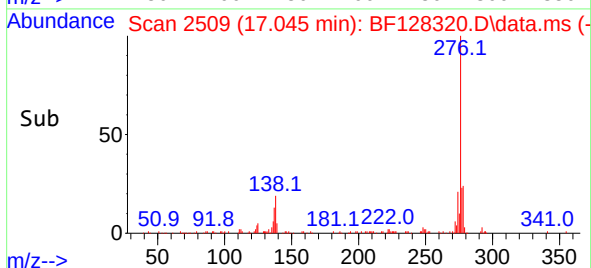
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

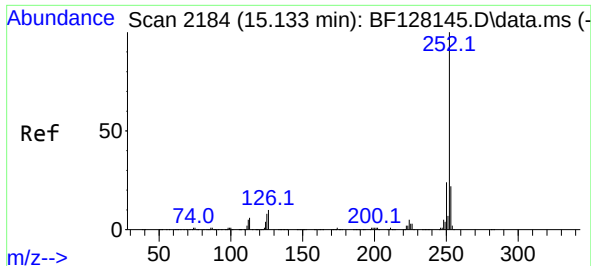


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.658 ng
RT: 17.045 min Scan# 2509
Delta R.T. -0.018 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26



Tgt Ion:276 Resp: 53890
Ion Ratio Lower Upper
276 100
138 20.5 19.0 28.4
277 25.4 20.1 30.1





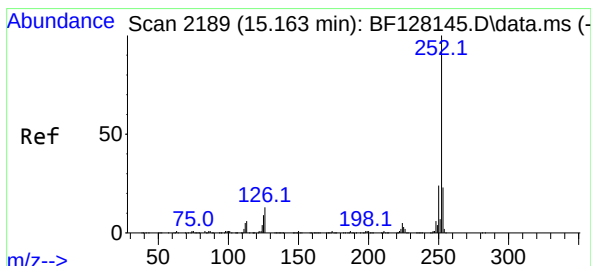
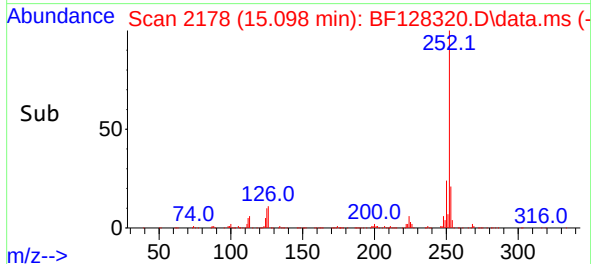
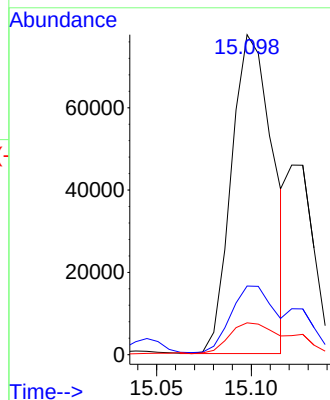
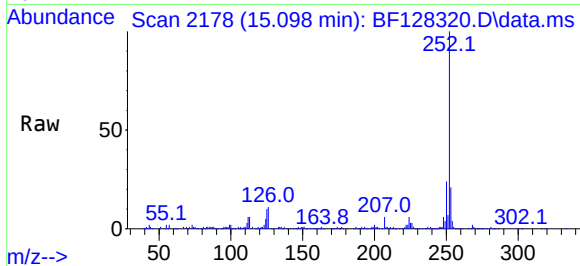
#88
Benzo(b)fluoranthene
Concen: 9.925 ng m
RT: 15.098 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Instrument :
BNA_F
ClientSampleId :
CDF-1

Tgt Ion:252 Resp: 11767
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 10.0 7.4 11.2

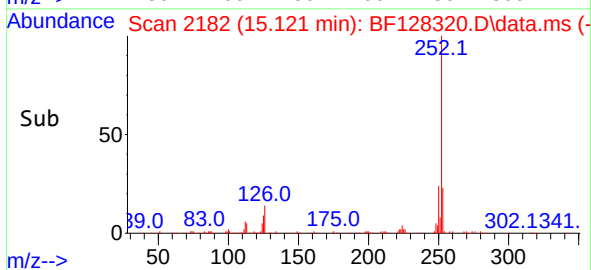
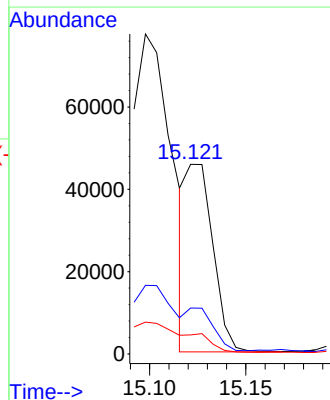
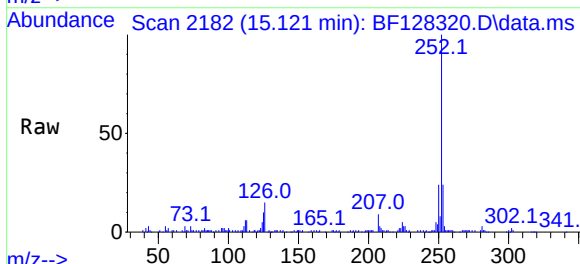
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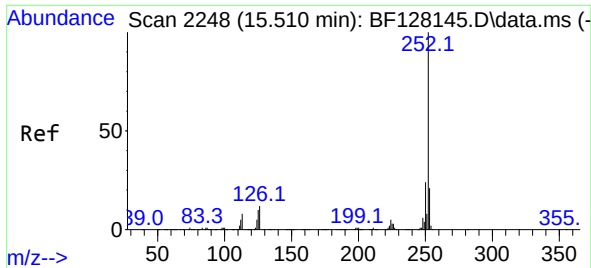
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#89
Benzo(k)fluoranthene
Concen: 3.770 ng m
RT: 15.121 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Tgt Ion:252 Resp: 44126
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.4
125 10.0 6.8 10.2





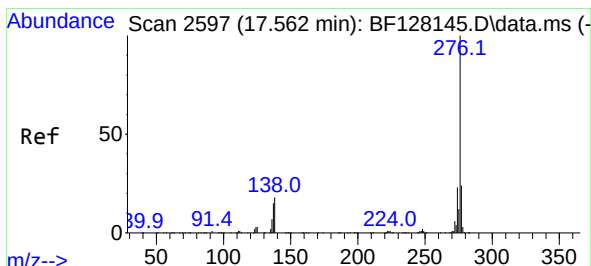
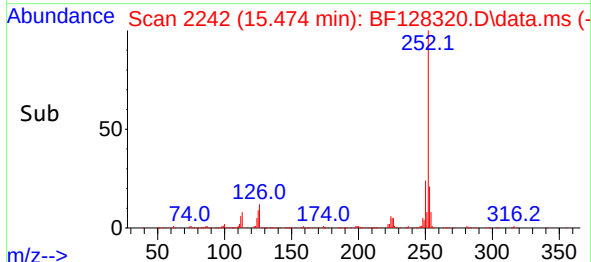
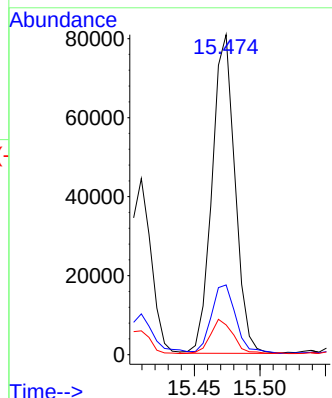
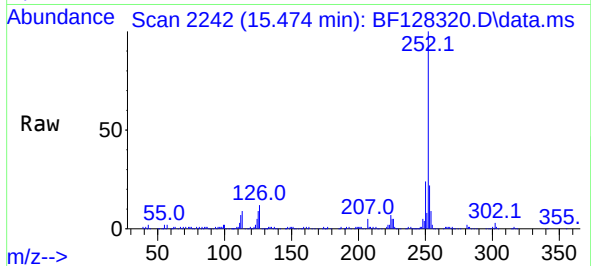
#90
Benzo(a)pyrene
Concen: 10.241 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Instrument :
BNA_F
ClientSampleId :
CDF-1

Tgt Ion:252 Resp: 9801
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 9.3 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#92
Benzo(g,h,i)perylene
Concen: 4.652 ng
RT: 17.503 min Scan# 2587
Delta R.T. -0.018 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Tgt Ion:276 Resp: 44118
Ion Ratio Lower Upper
276 100
277 26.6 18.8 28.2
138 17.5 16.2 24.2

