

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051822\
 Data File : BF128319.D
 Acq On : 18 May 2022 18:56
 Operator : CG\JU
 Sample : N2906-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CDF-2

Manual Integrations
 APPROVED

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

Quant Time: May 19 06:50:16 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	81052	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	311598	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	168828	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	272276	20.000	ng	0.00
76) Chrysene-d12	14.051	240	162863	20.000	ng	0.00
86) Perylene-d12	15.539	264	185511	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	504960	99.316	ng	0.00
7) Phenol-d6	6.504	99	659061	98.003	ng	0.00
23) Nitrobenzene-d5	7.434	82	481151	69.481	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	158834	82.032	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	738792	68.471	ng	0.00
79) Terphenyl-d14	12.986	244	600044	69.134	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	192807	14.221	ng	98
72) Anthracene	11.475	178	84668	6.255	ng	98
75) Fluoranthene	12.616	202	282562	19.224	ng	98
78) Pyrene	12.845	202	231206	19.579	ng	99
81) Benzo(a)anthracene	14.039	228	157048m	15.097	ng	
83) Chrysene	14.074	228	135573	13.659	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	78141	6.963	ng	96
88) Benzo(b)fluoranthene	15.098	252	162562m	14.136	ng	
89) Benzo(k)fluoranthene	15.121	252	58702m	5.171	ng	
90) Benzo(a)pyrene	15.474	252	141107	15.199	ng	98
92) Benzo(g,h,i)perylene	17.504	276	67546	7.343	ng	99

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

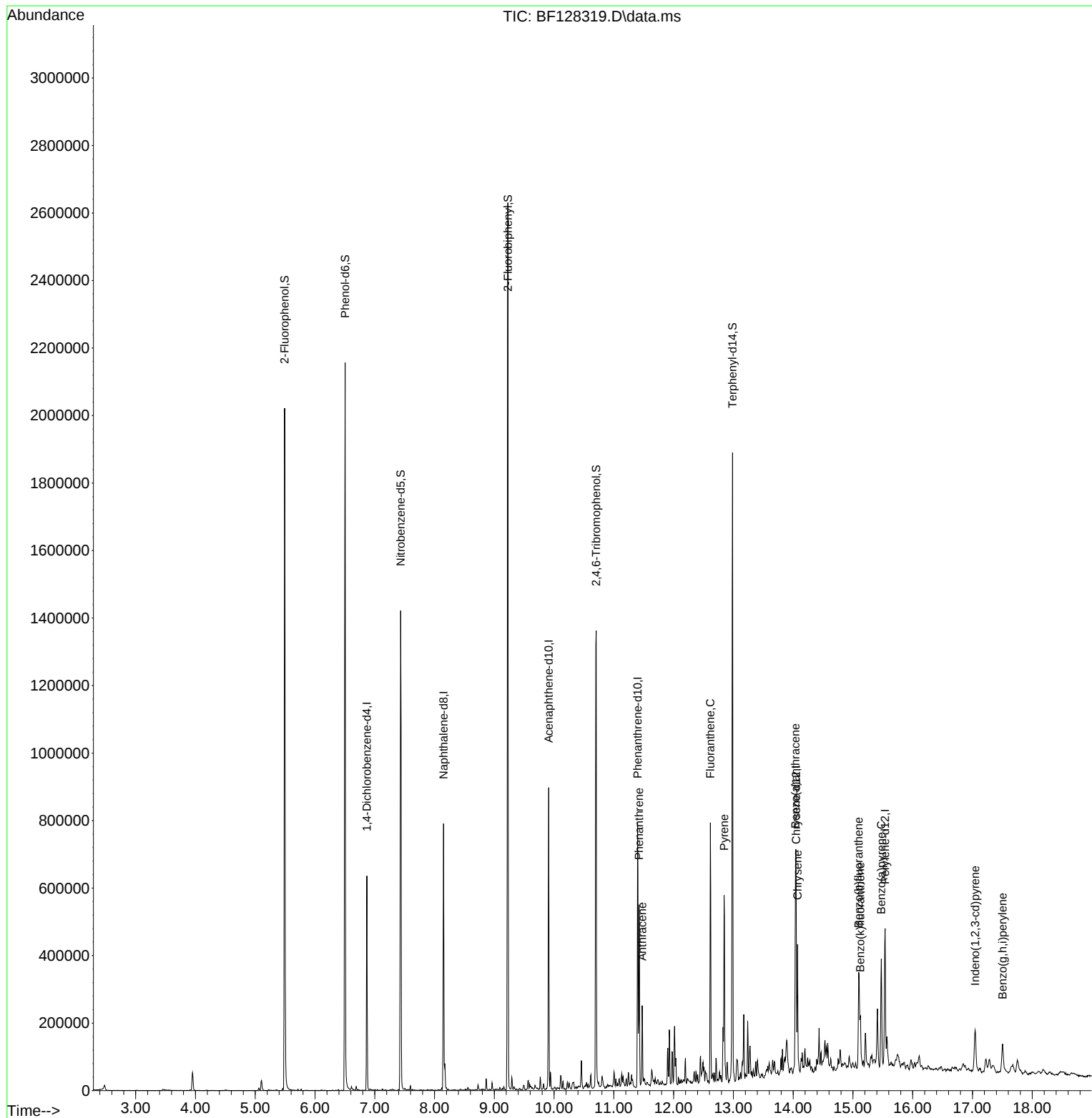
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051822\
Data File : BF128319.D
Acq On : 18 May 2022 18:56
Operator : CG\JU
Sample : N2906-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

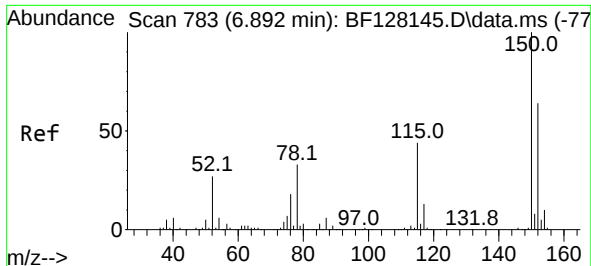
Instrument :
BNA_F
ClientSampleId :
CDF-2

Quant Time: May 19 06:50:16 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
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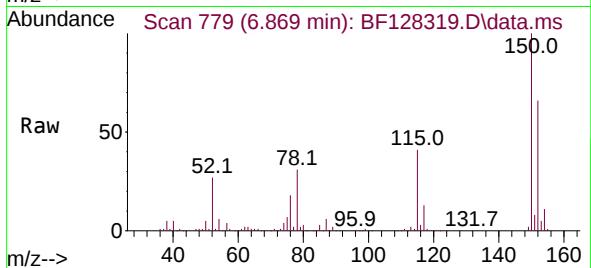
Reviewed By : Christian Giraldo 05/19/2022
Supervised By : Jagrut Upadhyay 05/19/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

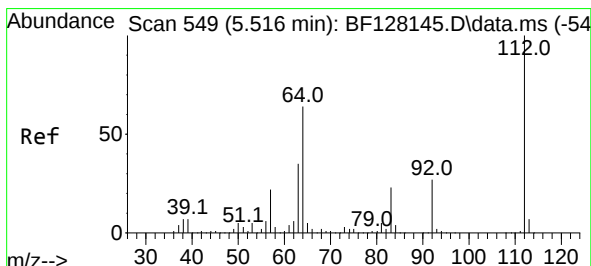
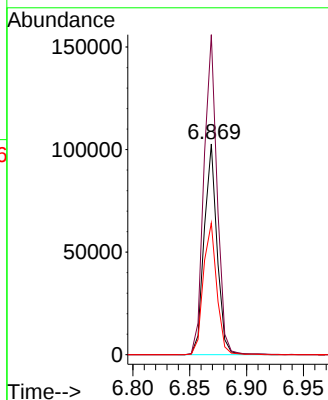
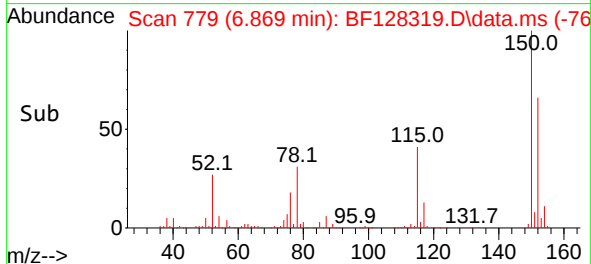
Instrument :
BNA_F
ClientSampleId :
CDF-2



Tgt Ion:152 Resp: 81052
Ion Ratio Lower Upper
152 100
150 151.9 125.3 187.9
115 62.5 48.8 73.2

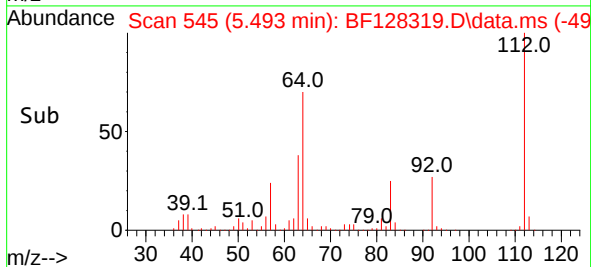
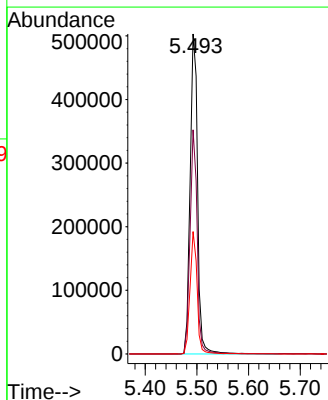
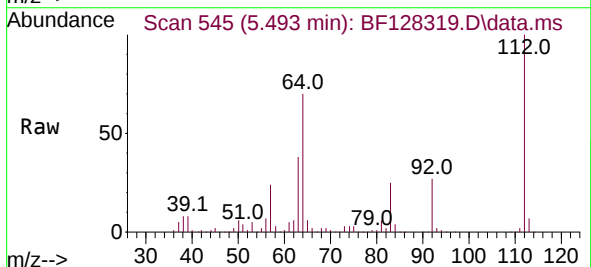
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Supervised By :Jagrut Upadhyay 05/19/2022



#5
2-Fluorophenol
Concen: 99.316 ng
RT: 5.493 min Scan# 545
Delta R.T. 0.000 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

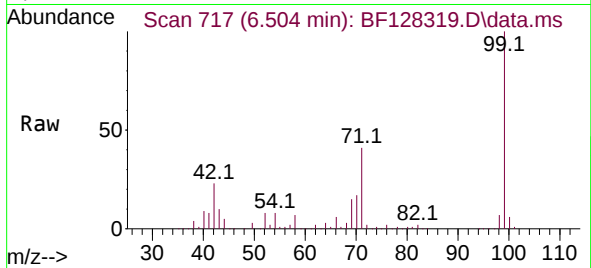
Tgt Ion:112 Resp: 504960
Ion Ratio Lower Upper
112 100
64 70.1 49.5 74.3
63 38.2 26.3 39.5





#7
Phenol-d6
Concen: 98.003 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

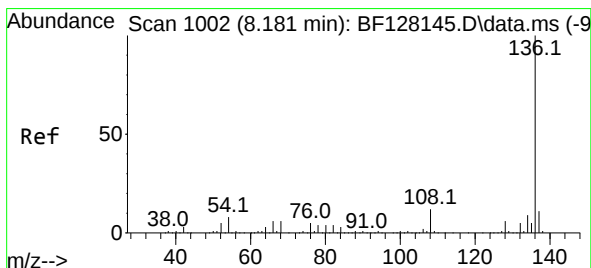
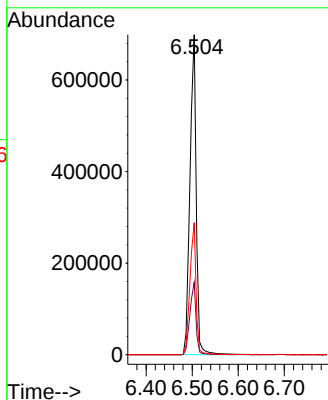
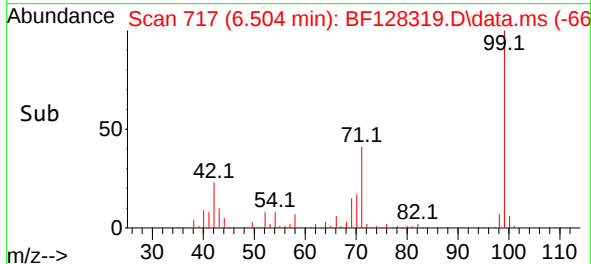
Instrument :
BNA_F
ClientSampleId :
CDF-2



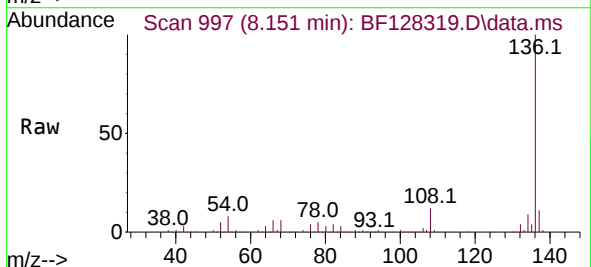
Tgt Ion: 99 Resp: 65906
Ion Ratio Lower Upper
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42 22.6 16.6 24.8
71 41.2 30.0 45.0

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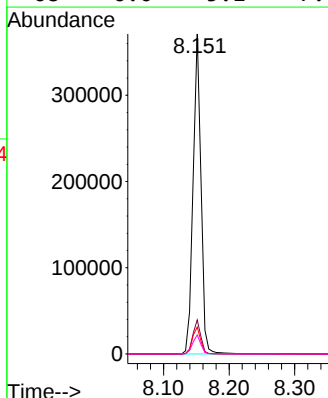
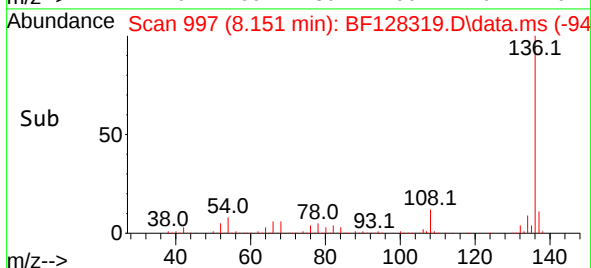
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

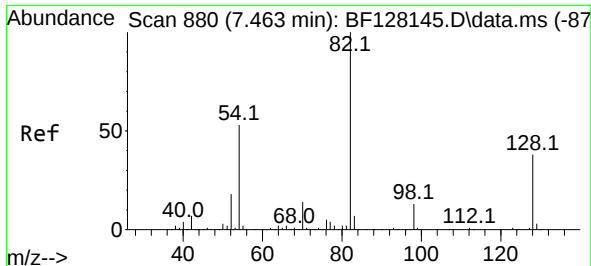


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56



Tgt Ion:136 Resp: 311598
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.4 6.8 10.2
68 6.0 5.1 7.7





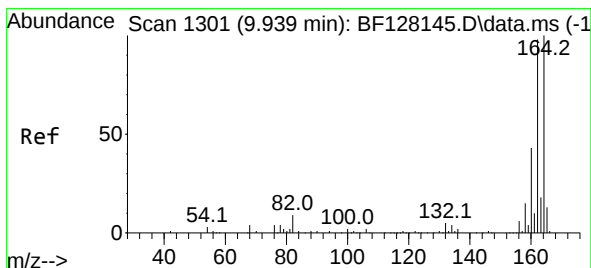
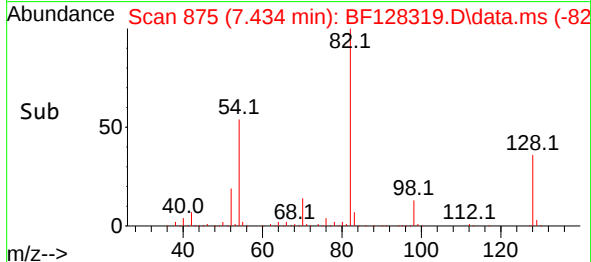
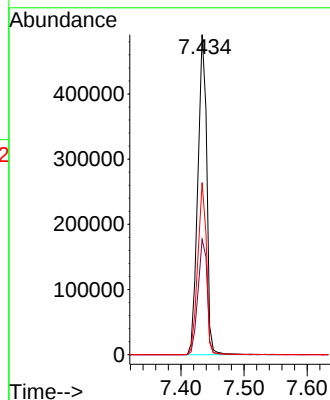
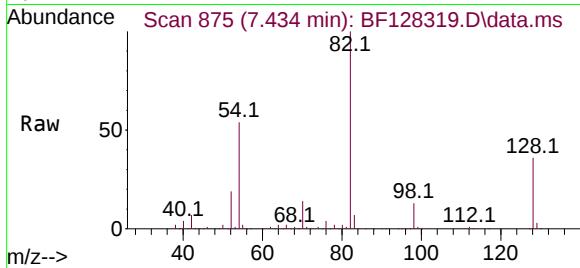
#23
Nitrobenzene-d5
Concen: 69.481 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Instrument :
BNA_F
ClientSampleId :
CDF-2

Tgt Ion: 82 Resp: 48115
Ion Ratio Lower Upper
82 100
128 36.0 30.0 45.0
54 53.8 41.3 61.9

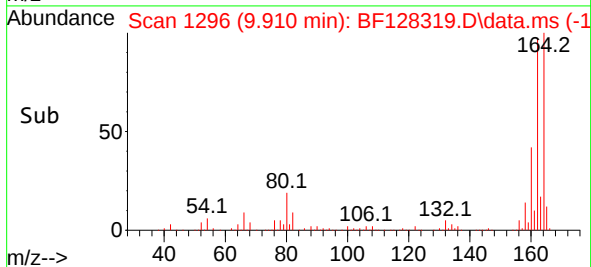
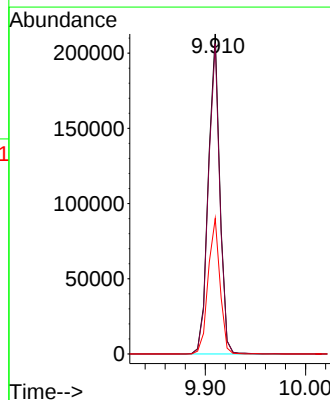
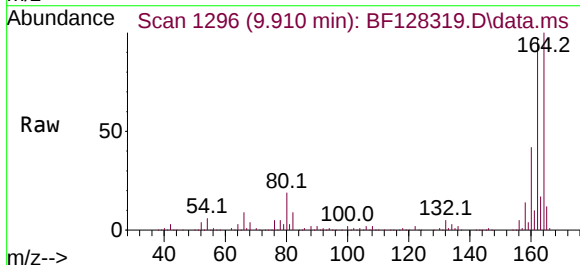
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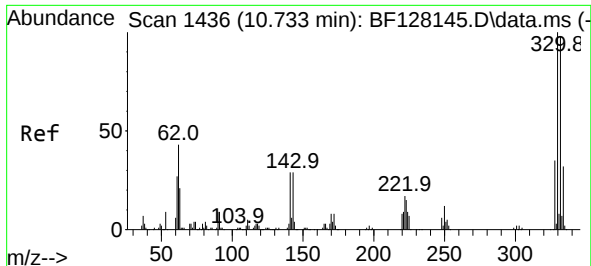
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion:164 Resp: 168828
Ion Ratio Lower Upper
164 100
162 97.0 76.0 114.0
160 42.3 34.8 52.2





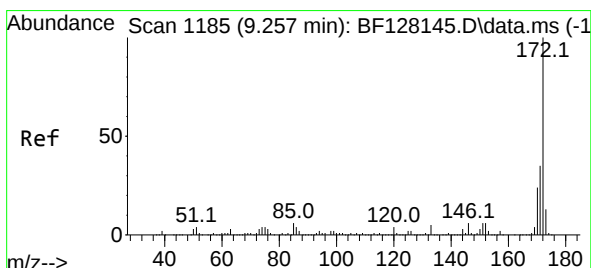
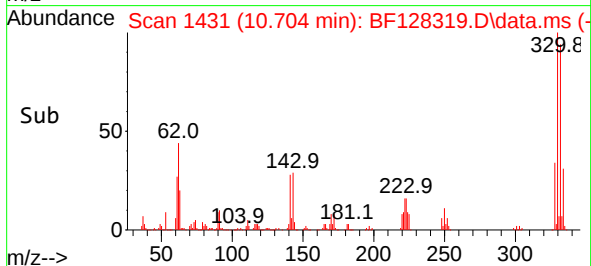
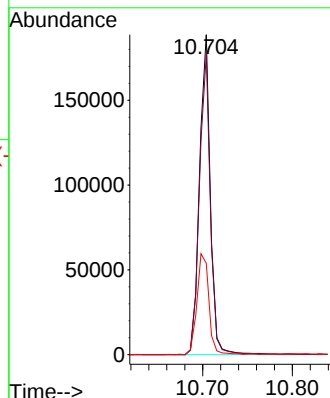
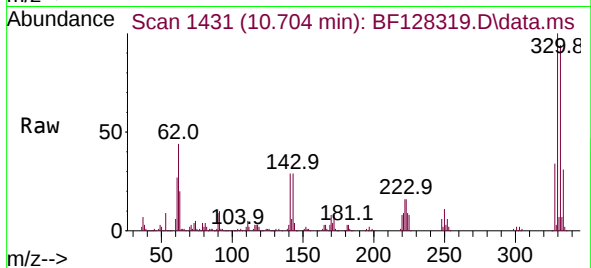
#42
2,4,6-Tribromophenol
Concen: 82.032 ng
RT: 10.704 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Instrument :
BNA_F
ClientSampleId :
CDF-2

Tgt Ion:330 Resp: 158834
Ion Ratio Lower Upper
330 100
332 95.0 79.0 118.4
141 34.8 28.9 43.3

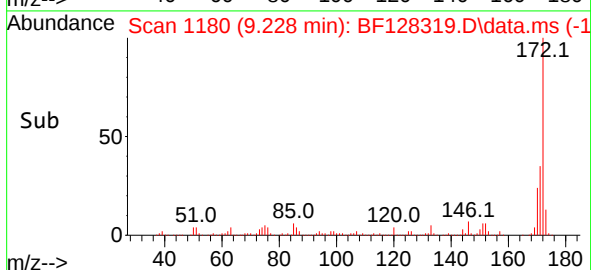
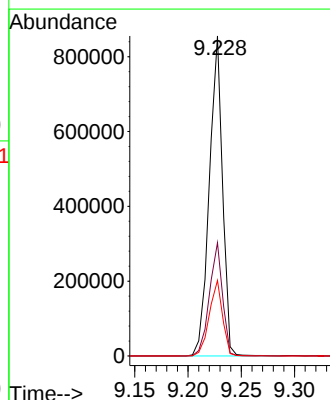
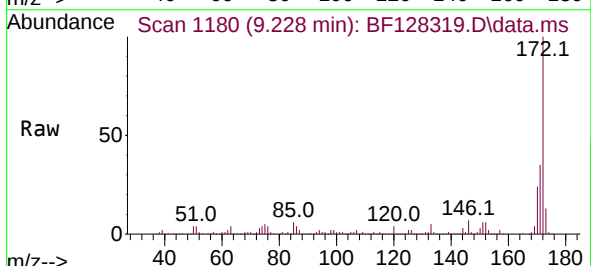
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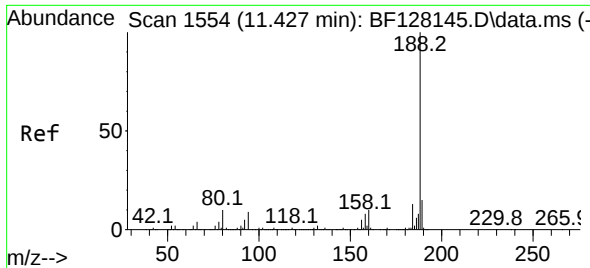
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#45
2-Fluorobiphenyl
Concen: 68.471 ng
RT: 9.228 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion:172 Resp: 738792
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.6 19.1 28.7





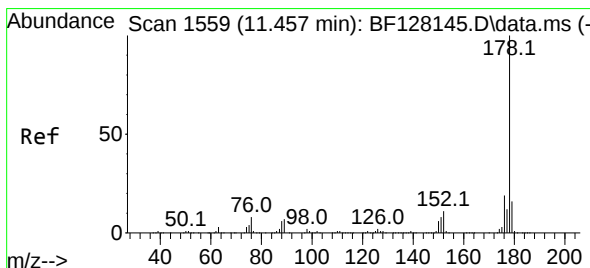
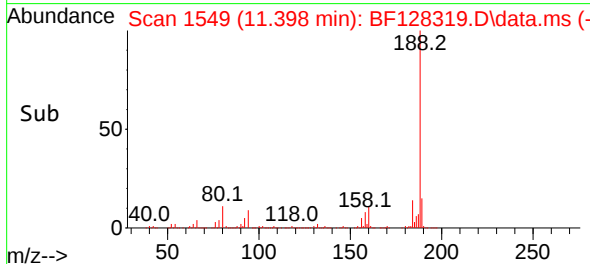
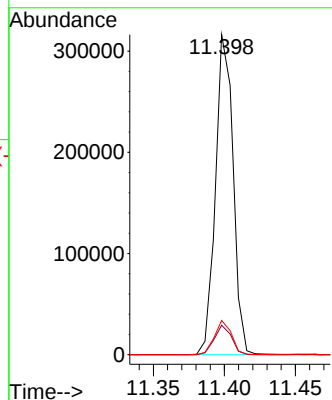
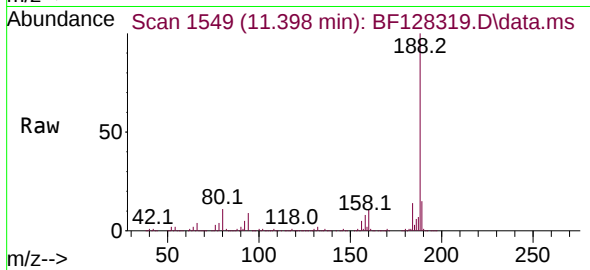
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Instrument :
BNA_F
ClientSampleId :
CDF-2

Tgt Ion:188 Resp: 272270
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 10.7 8.9 13.3

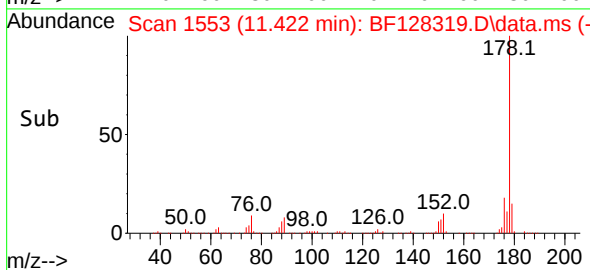
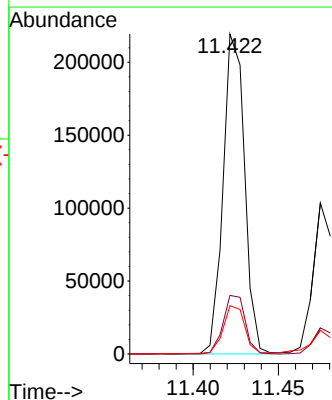
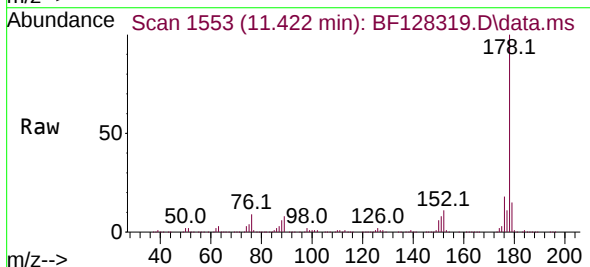
Manual Integrations
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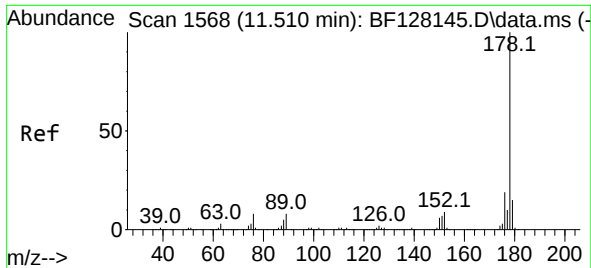
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#71
Phenanthrene
Concen: 14.221 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

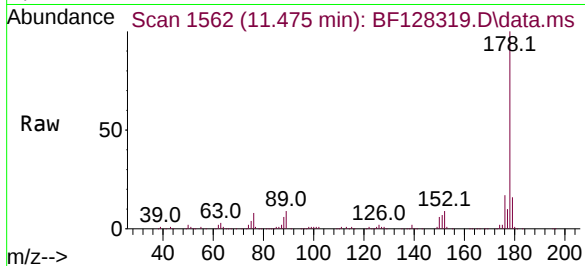
Tgt Ion:178 Resp: 192807
Ion Ratio Lower Upper
178 100
176 18.3 15.7 23.5
179 15.1 12.6 19.0





#72
 Anthracene
 Concen: 6.255 ng
 RT: 11.475 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128319.D
 Acq: 18 May 2022 18:56

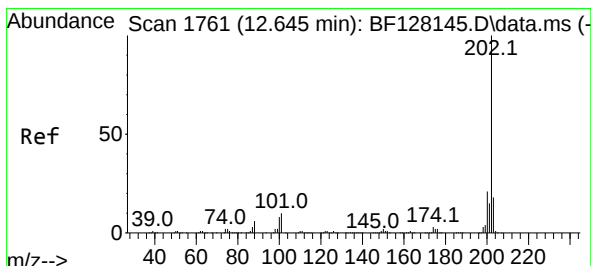
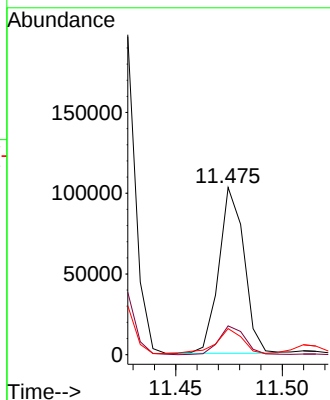
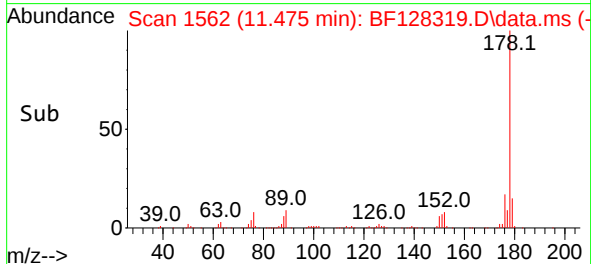
Instrument :
 BNA_F
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 CDF-2



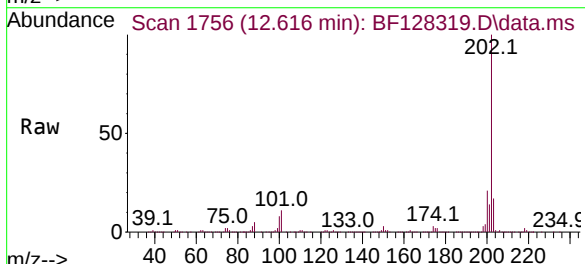
Tgt Ion:178 Resp: 84668
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.0 22.6
 179 15.6 12.4 18.6

Manual Integrations
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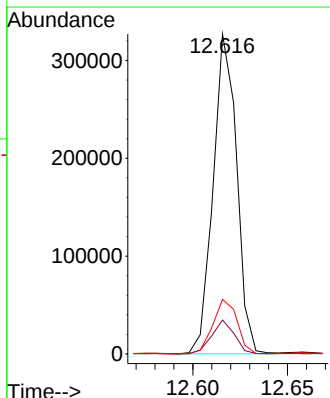
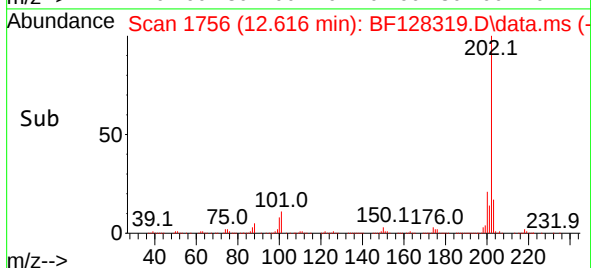
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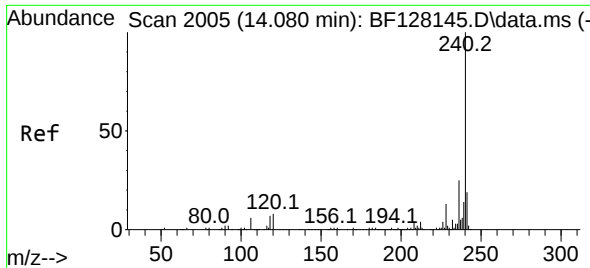


#75
 Fluoranthene
 Concen: 19.224 ng
 RT: 12.616 min Scan# 1756
 Delta R.T. -0.006 min
 Lab File: BF128319.D
 Acq: 18 May 2022 18:56



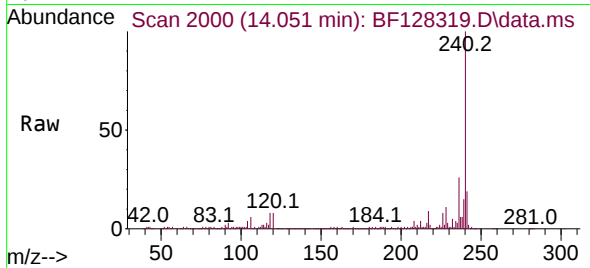
Tgt Ion:202 Resp: 282562
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.6
 203 17.1 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

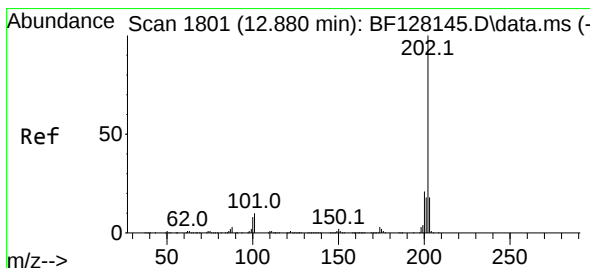
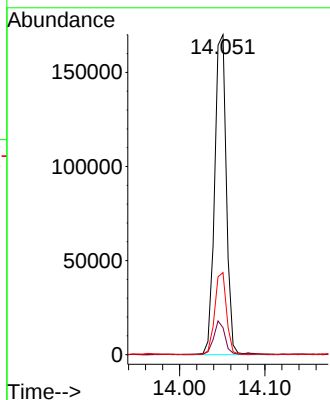
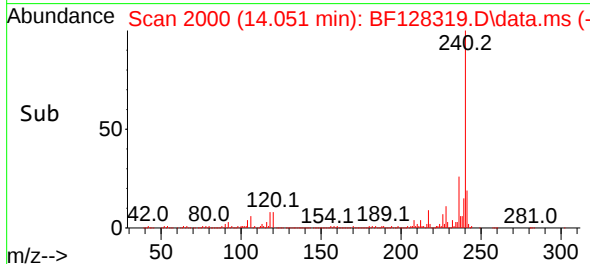
Instrument :
BNA_F
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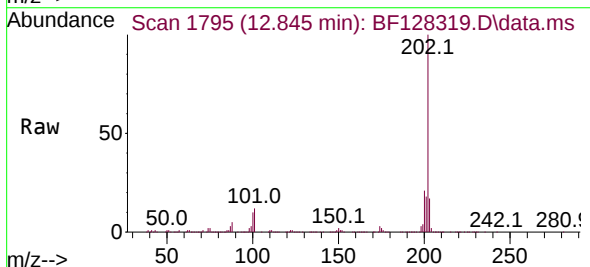
Tgt Ion:240 Resp: 16286
Ion Ratio Lower Upper
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120 8.5 7.0 10.6
236 25.6 20.3 30.5

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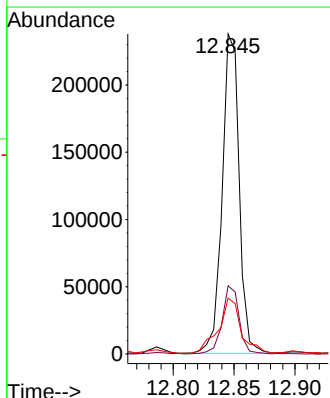
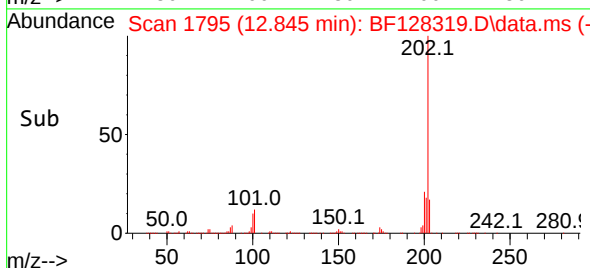
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

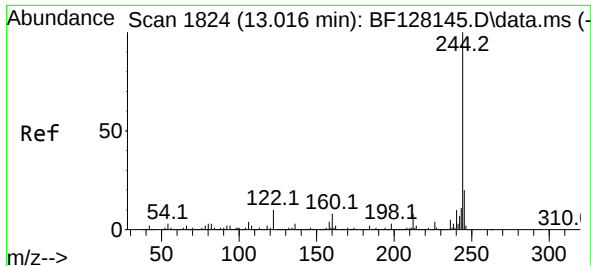


#78
Pyrene
Concen: 19.579 ng
RT: 12.845 min Scan# 1795
Delta R.T. -0.012 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56



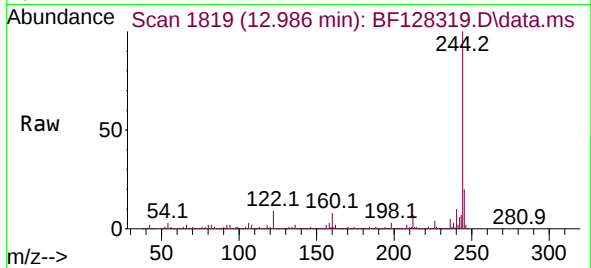
Tgt Ion:202 Resp: 231206
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.4 14.0 21.0





#79
 Terphenyl-d14
 Concen: 69.134 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128319.D
 Acq: 18 May 2022 18:56

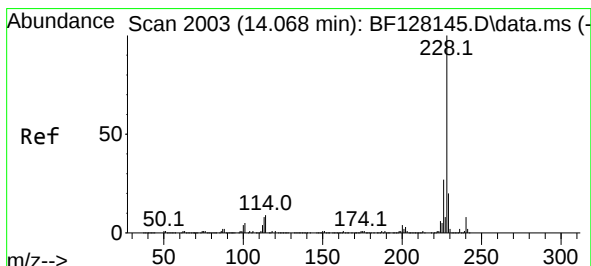
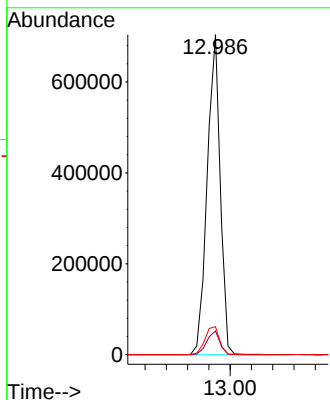
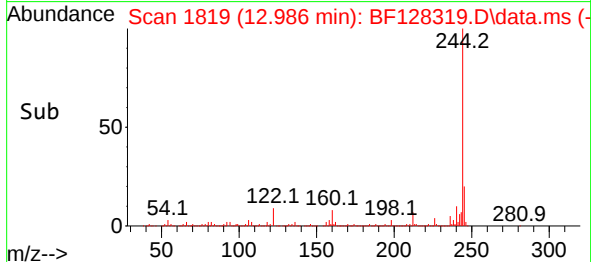
Instrument :
 BNA_F
 ClientSampleId :
 CDF-2



Tgt Ion:244 Resp: 600044
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 8.8 8.6 12.8

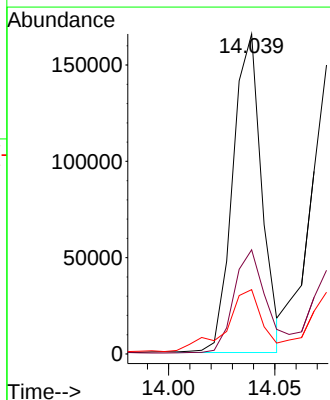
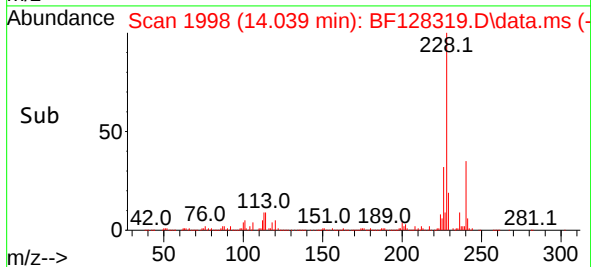
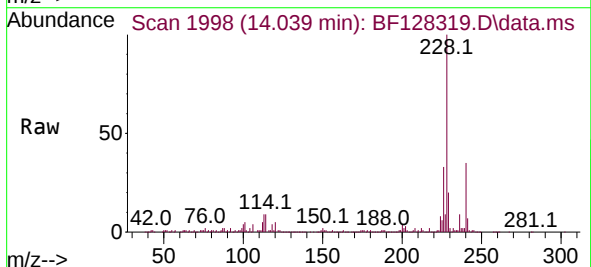
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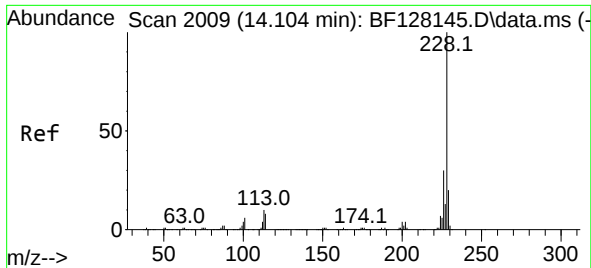
Reviewed By :Christian Giraldo 05/19/2022
 Supervised By :Jagrut Upadhyay 05/19/2022



#81
 Benzo(a)anthracene
 Concen: 15.097 ng m
 RT: 14.039 min Scan# 1998
 Delta R.T. -0.006 min
 Lab File: BF128319.D
 Acq: 18 May 2022 18:56

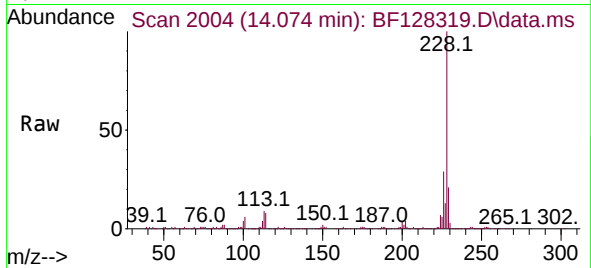
Tgt Ion:228 Resp: 157048
 Ion Ratio Lower Upper
 228 100
 226 32.5 21.7 32.5#
 229 20.1 15.4 23.2





#83
Chrysene
Concen: 13.659 ng
RT: 14.074 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

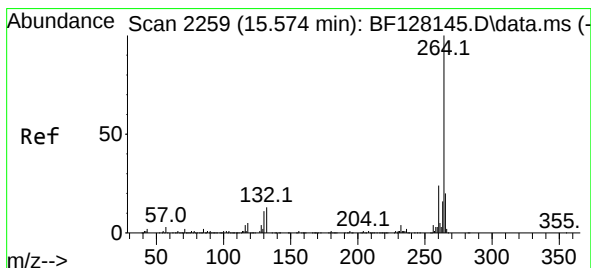
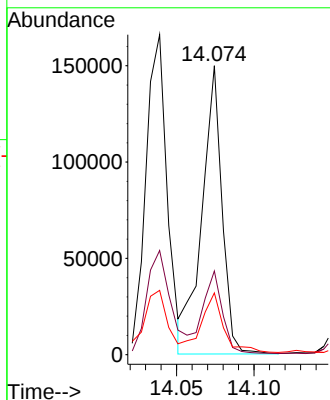
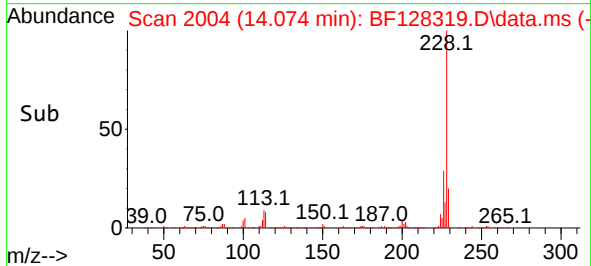
Instrument :
BNA_F
ClientSampleId :
CDF-2



Tgt Ion:228 Resp: 13557
Ion Ratio Lower Upper
228 100
226 29.0 24.4 36.6
229 21.4 15.8 23.8

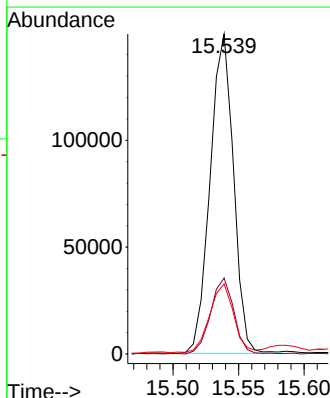
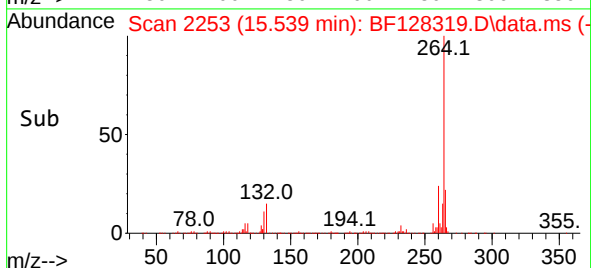
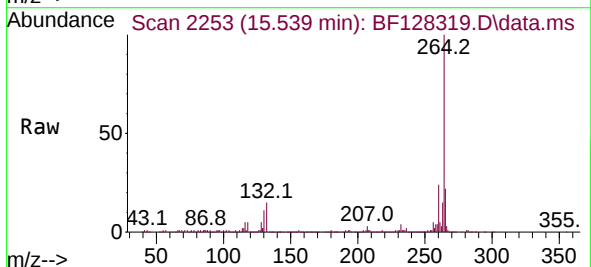
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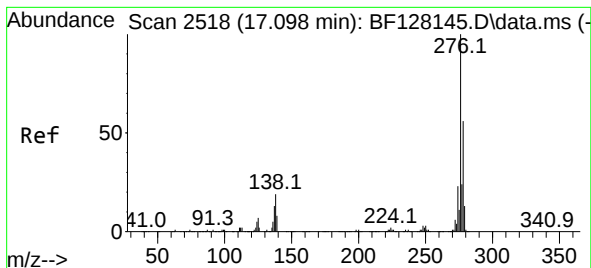
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2253
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion:264 Resp: 185511
Ion Ratio Lower Upper
264 100
260 23.7 20.1 30.1
265 21.9 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.963 ng

RT: 17.045 min Scan# 2118

Delta R.T. -0.017 min

Lab File: BF128319.D

Acq: 18 May 2022 18:56

Instrument :

BNA_F

ClientSampleId :

CDF-2

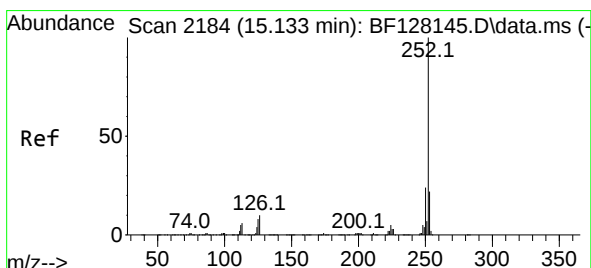
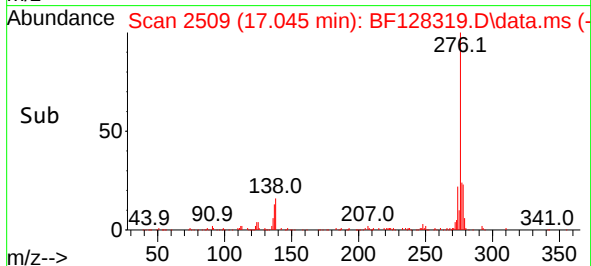
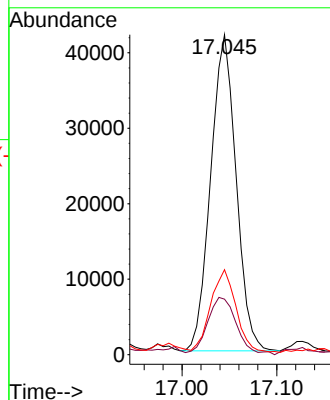
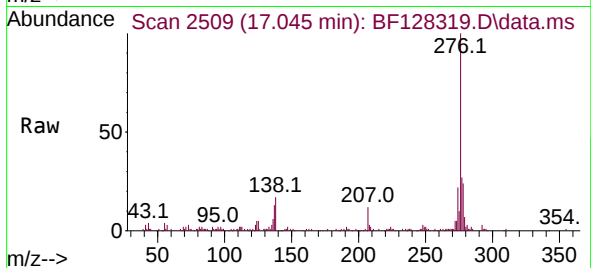
Tgt Ion:	276	Resp:	7814
Ion Ratio	Lower	Upper	
276	100		
138	20.6	19.0	28.4
277	26.1	20.1	30.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/19/2022

Supervised By :Jagrut Upadhyay 05/19/2022



#88

Benzo(b)fluoranthene

Concen: 14.136 ng m

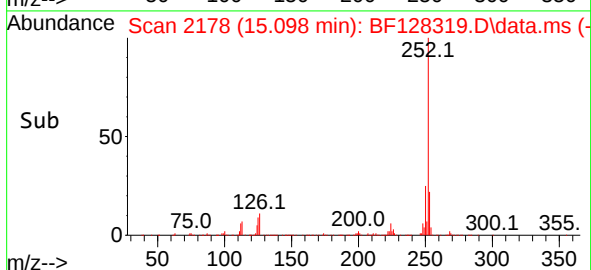
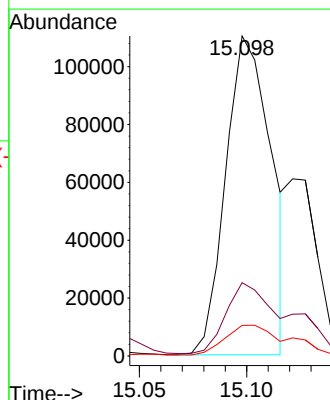
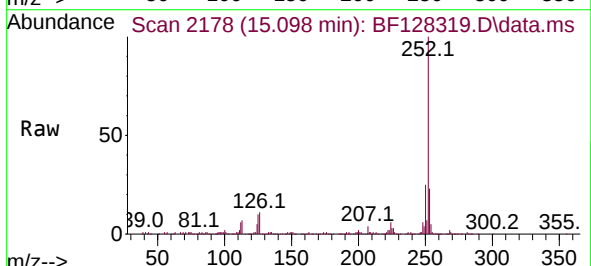
RT: 15.098 min Scan# 2178

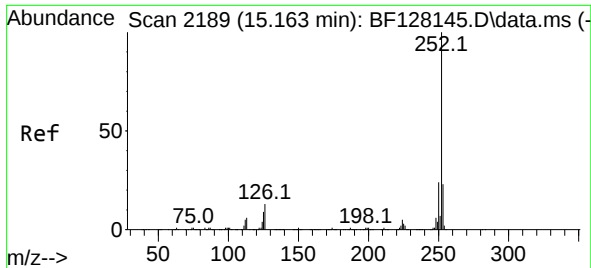
Delta R.T. -0.006 min

Lab File: BF128319.D

Acq: 18 May 2022 18:56

Tgt Ion:	252	Resp:	162562
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	9.6	7.4	11.2





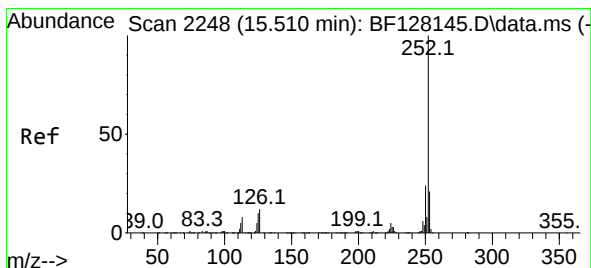
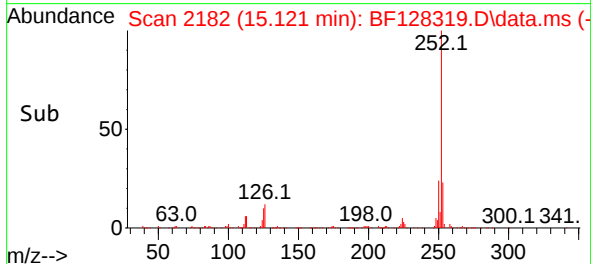
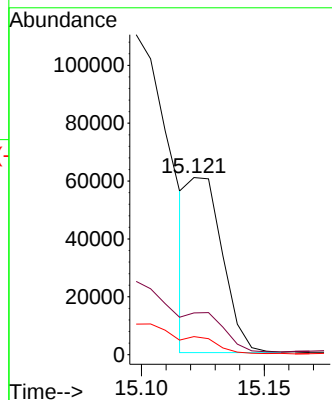
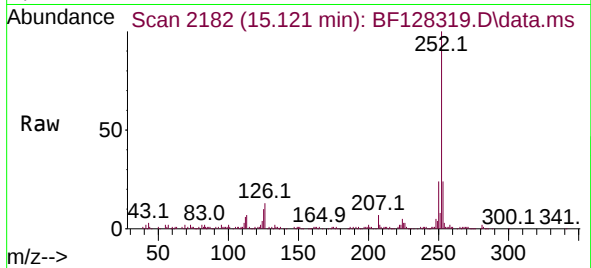
#89
Benzo(k)fluoranthene
Concen: 5.171 ng m
RT: 15.121 min Scan# 2189
Delta R.T. -0.012 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Instrument :
BNA_F
ClientSampleId :
CDF-2

Tgt Ion:252 Resp: 5870
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 10.2 6.8 10.2

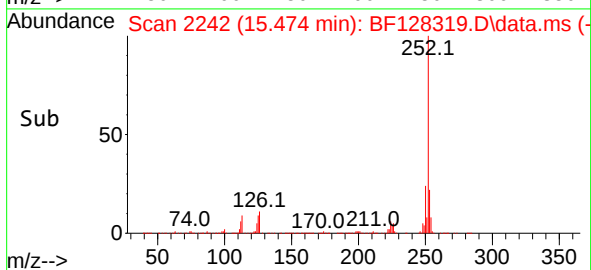
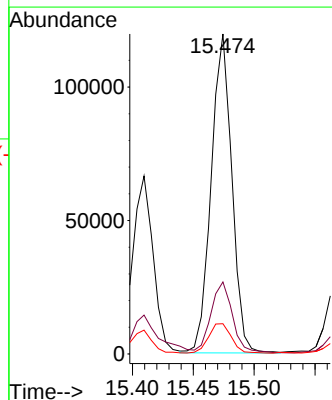
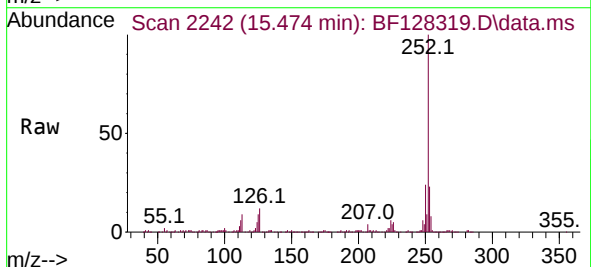
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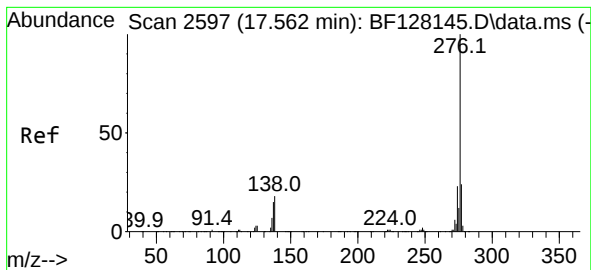
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#90
Benzo(a)pyrene
Concen: 15.199 ng
RT: 15.474 min Scan# 2242
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

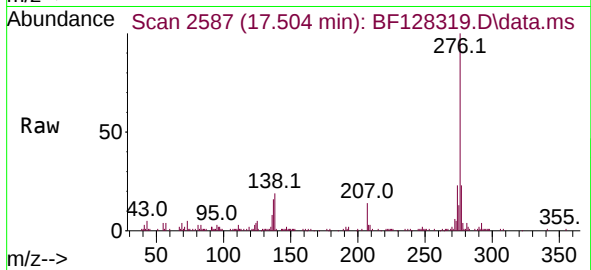
Tgt Ion:252 Resp: 141107
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 9.5 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 7.343 ng
 RT: 17.504 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BF128319.D
 Acq: 18 May 2022 18:56

Instrument :
 BNA_F
 ClientSampleId :
 CDF-2



Tgt Ion: 276 Resp: 67540
 Ion Ratio Lower Upper
 276 100
 277 23.0 18.8 28.2
 138 19.5 16.2 24.2

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

