

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
 Data File : BF128001.D
 Acq On : 29 Apr 2022 18:13
 Operator : CG\JU
 Sample : N2609-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/02/2022
 Supervised By : Jagrut Upadhyay 05/02/2022

Quant Time: May 02 00:58:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	110240	20.000	ng	-0.01
21) Naphthalene-d8	8.204	136	417523	20.000	ng	-0.01
39) Acenaphthene-d10	9.963	164	224956	20.000	ng	-0.01
64) Phenanthrene-d10	11.457	188	352984	20.000	ng	-0.01
76) Chrysene-d12	14.104	240	222932	20.000	ng	-0.01
86) Perylene-d12	15.609	264	221275	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	661979	95.645	ng	0.00
7) Phenol-d6	6.545	99	870765	96.959	ng	-0.02
23) Nitrobenzene-d5	7.486	82	612244	68.955	ng	-0.02
42) 2,4,6-Tribromophenol	10.757	330	206622	91.241	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	996464	74.937	ng	-0.01
79) Terphenyl-d14	13.045	244	808781	66.339	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.827	152	51266	2.642	ng	98
71) Phenanthrene	11.480	178	292089	15.808	ng	99
72) Anthracene	11.527	178	77725	4.223	ng	99
75) Fluoranthene	12.674	202	642471	33.038	ng	97
78) Pyrene	12.904	202	609358	33.860	ng	99
81) Benzo(a)anthracene	14.092	228	355287	23.910	ng	96
83) Chrysene	14.127	228	303529	21.389	ng	98
87) Indeno(1,2,3-cd)pyrene	17.145	276	153247	10.376	ng	94
88) Benzo(b)fluoranthene	15.168	252	384245m	27.647	ng	
89) Benzo(k)fluoranthene	15.192	252	158754m	11.338	ng	
90) Benzo(a)pyrene	15.545	252	277369	24.060	ng	98
91) Dibenzo(a,h)anthracene	17.156	278	37154m	3.137	ng	
92) Benzo(g,h,i)perylene	17.609	276	132587	10.621	ng	98

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

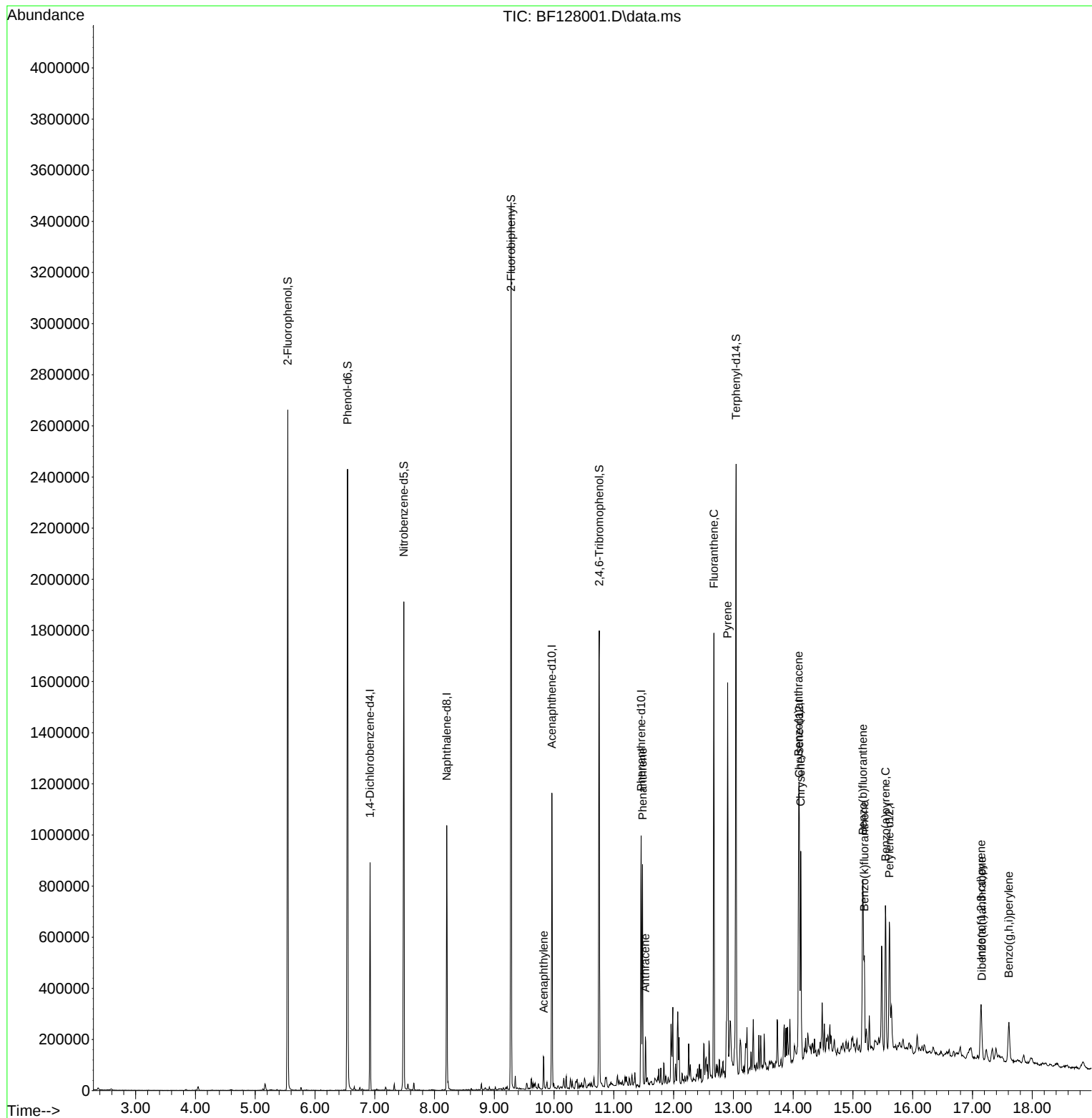
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128001.D
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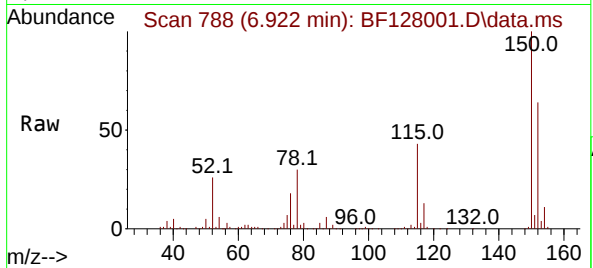
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

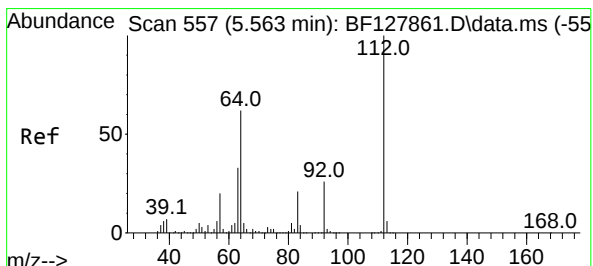
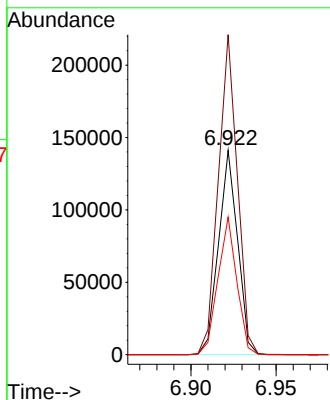
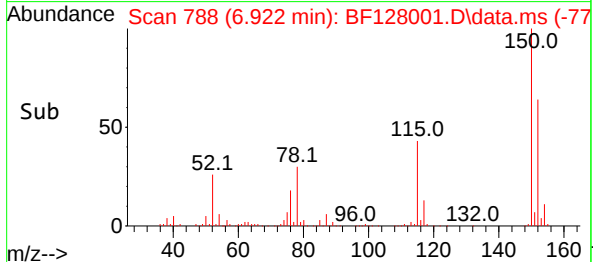
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:152 Resp: 110240
Ion Ratio Lower Upper
152 100
150 156.6 125.3 187.9
115 67.3 48.8 73.2

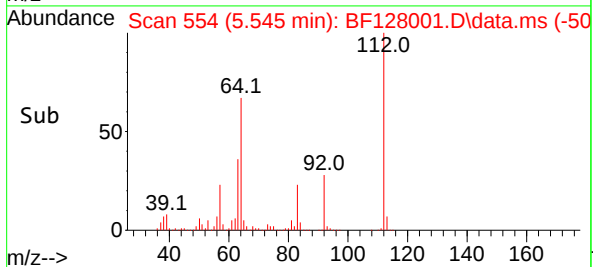
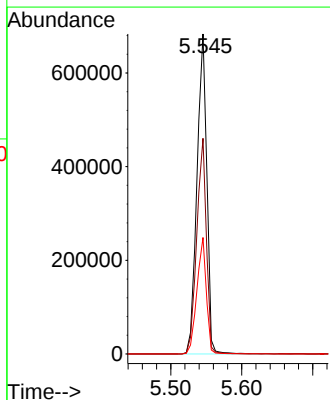
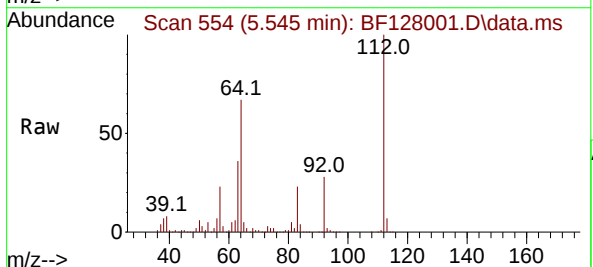
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#5
2-Fluorophenol
Concen: 95.645 ng
RT: 5.545 min Scan# 554
Delta R.T. -0.006 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion:112 Resp: 661979
Ion Ratio Lower Upper
112 100
64 67.4 49.5 74.3
63 36.4 26.3 39.5





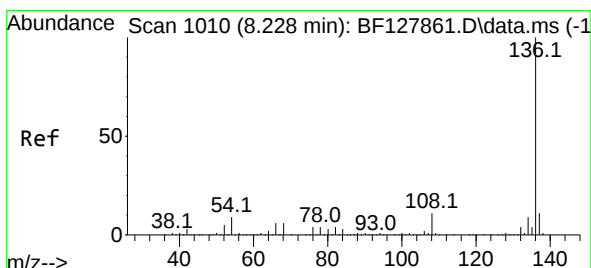
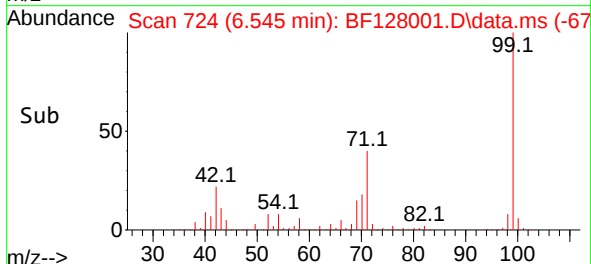
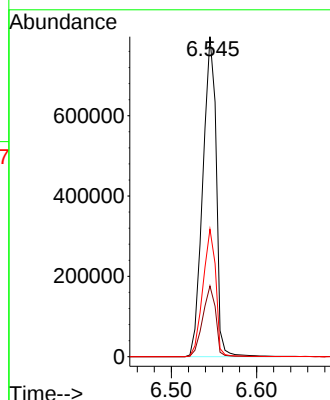
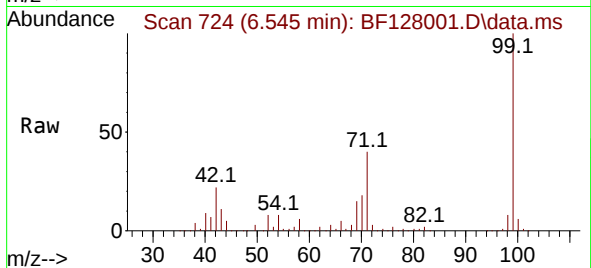
#7
Phenol-d6
Concen: 96.959 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion: 99 Resp: 87076
Ion Ratio Lower Upper
99 100
42 22.1 16.6 24.8
71 39.9 30.0 45.0

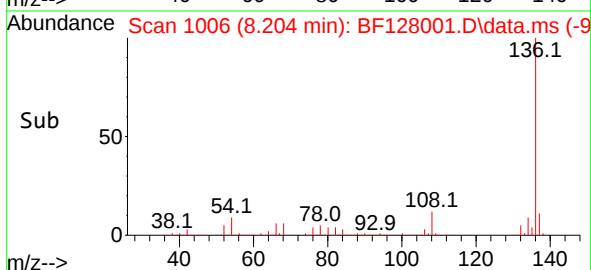
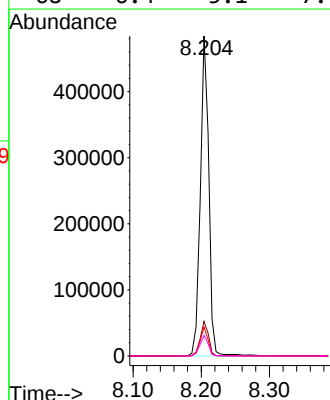
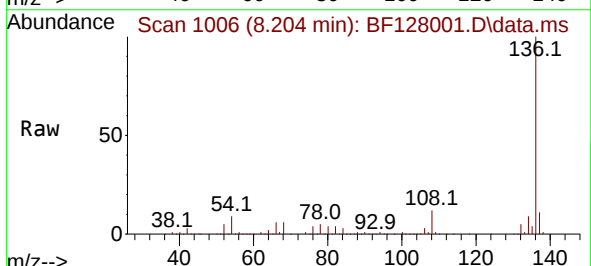
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1006
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

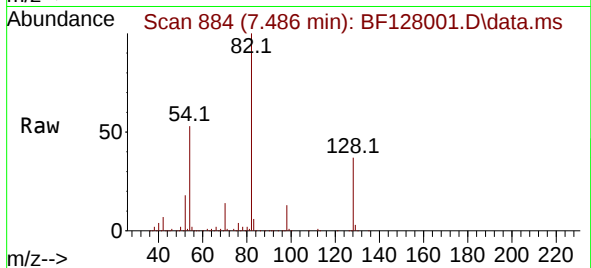
Tgt Ion:136 Resp: 417523
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.0 6.8 10.2
68 6.4 5.1 7.7





#23
Nitrobenzene-d5
Concen: 68.955 ng
RT: 7.486 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

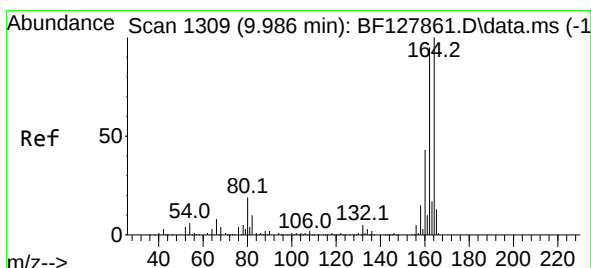
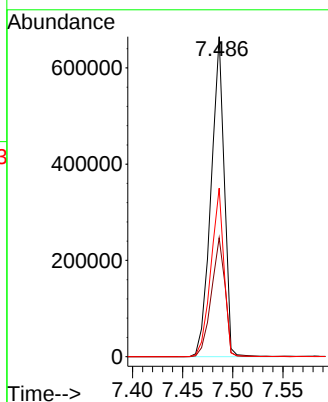
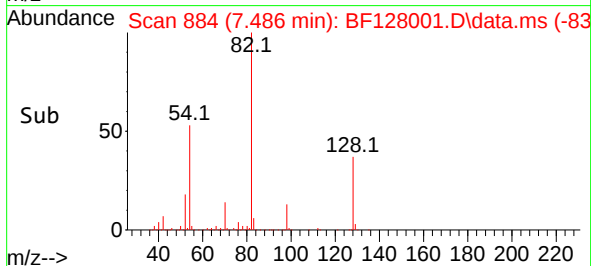
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion: 82 Resp: 612244
Ion Ratio Lower Upper
82 100
128 37.1 30.0 45.0
54 52.6 41.3 61.9

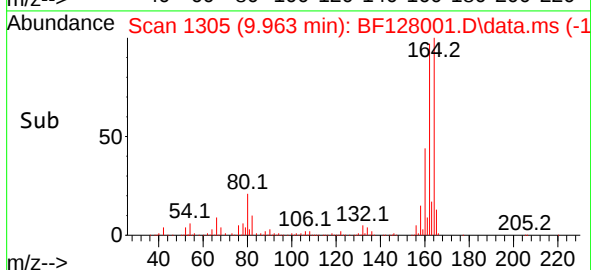
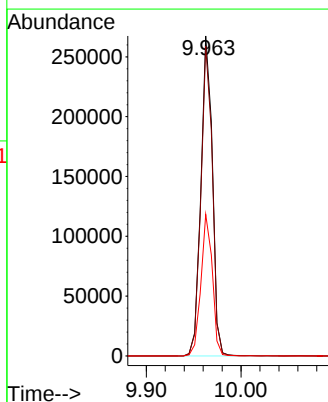
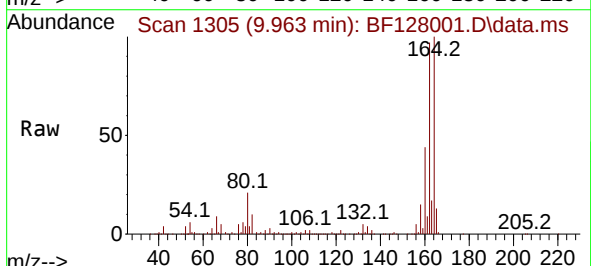
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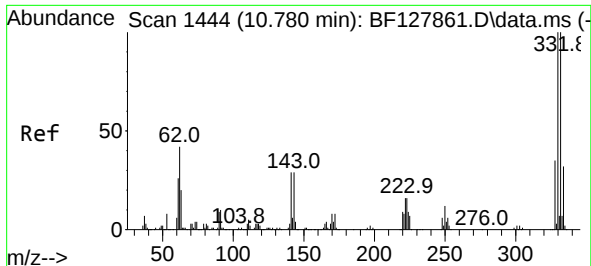
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion:164 Resp: 224956
Ion Ratio Lower Upper
164 100
162 96.8 76.0 114.0
160 44.2 34.8 52.2





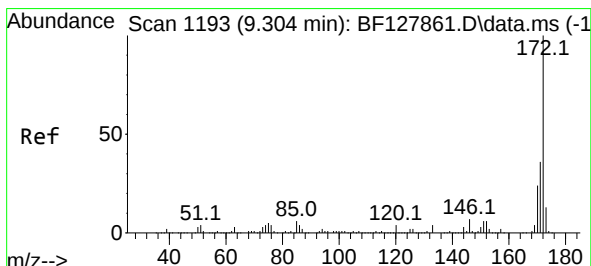
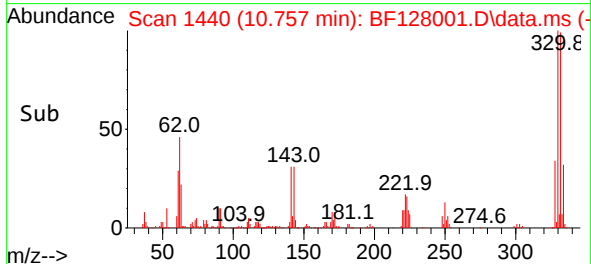
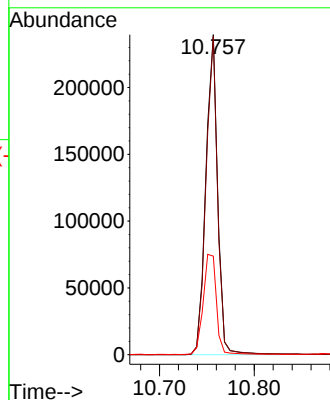
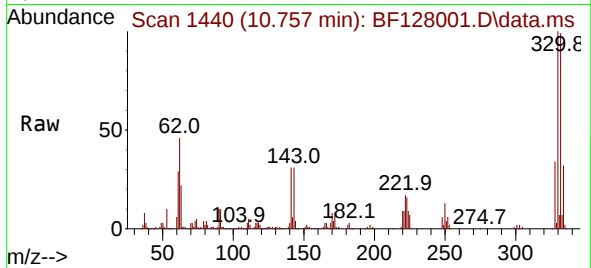
#42
2,4,6-Tribromophenol
Concen: 91.241 ng
RT: 10.757 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion: 330 Resp: 20662
Ion Ratio Lower Upper
330 100
332 98.0 79.0 118.4
141 35.1 28.9 43.3

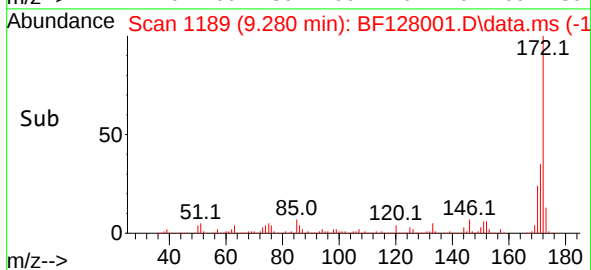
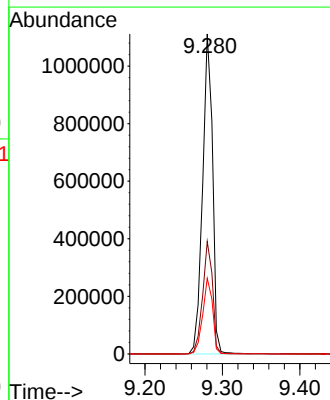
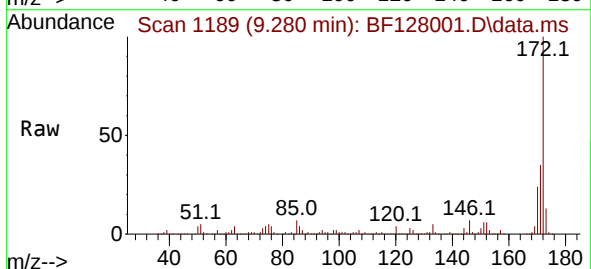
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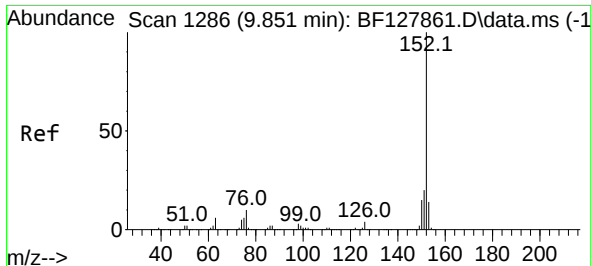
Reviewed By : Christian Giraldo 05/02/2022
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#45
2-Fluorobiphenyl
Concen: 74.937 ng
RT: 9.280 min Scan# 1189
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

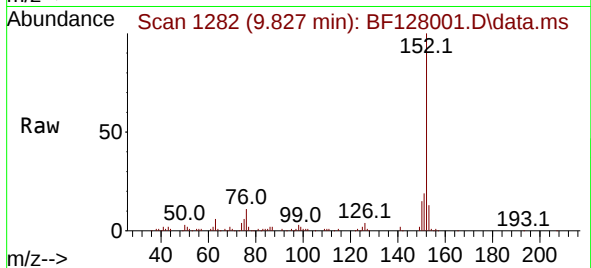
Tgt Ion: 172 Resp: 996464
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.6 19.1 28.7





#49
Acenaphthylene
Concen: 2.642 ng
RT: 9.827 min Scan# 151
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

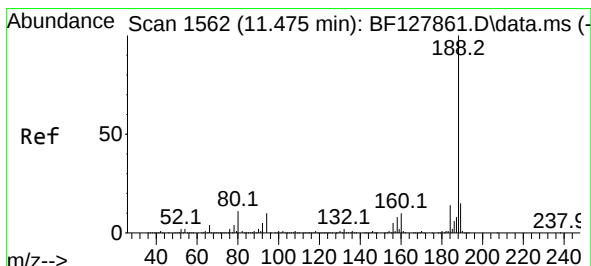
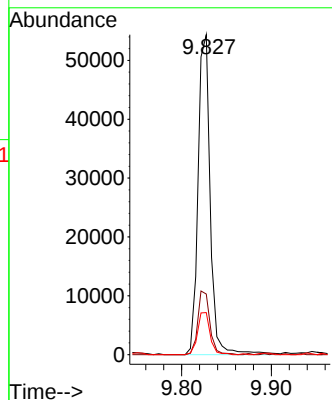
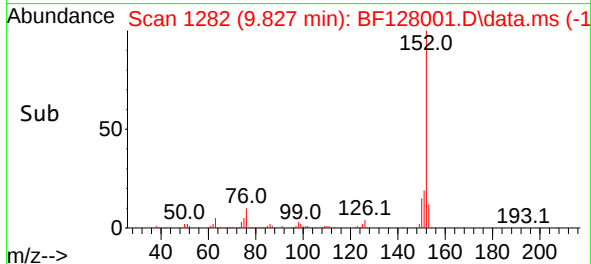
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:152 Resp: 51260
Ion Ratio Lower Upper
152 100
151 19.0 16.2 24.2
153 13.2 11.2 16.8

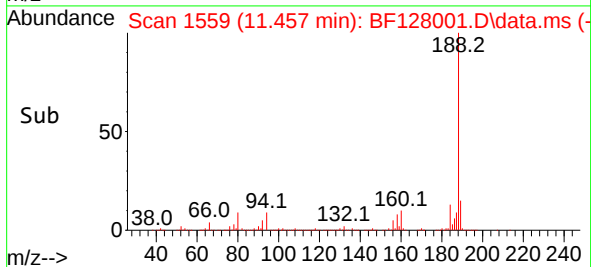
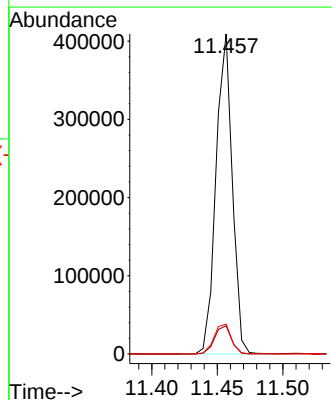
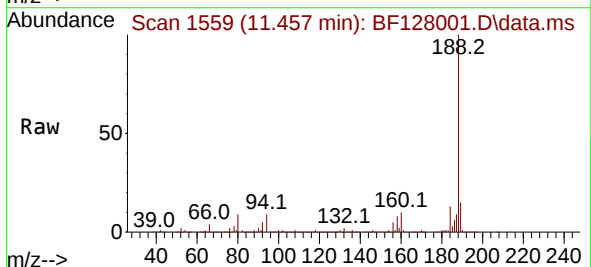
Manual Integrations
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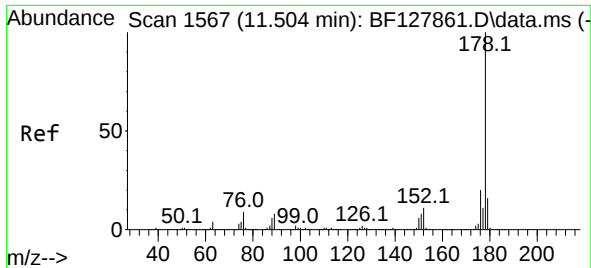
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion:188 Resp: 352984
Ion Ratio Lower Upper
188 100
94 8.8 8.0 12.0
80 9.3 8.9 13.3





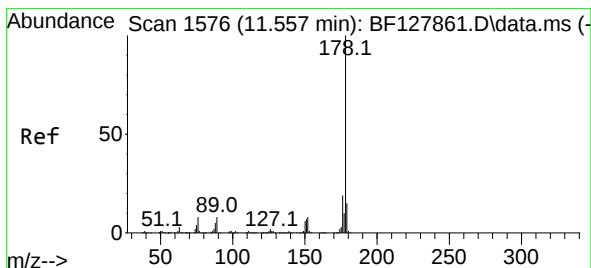
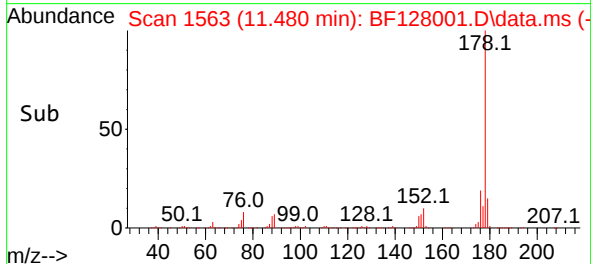
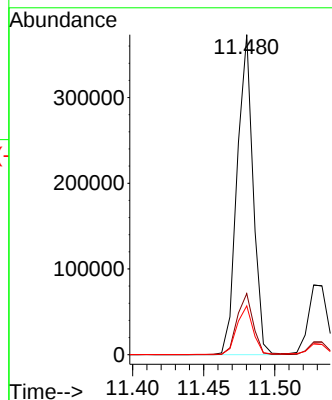
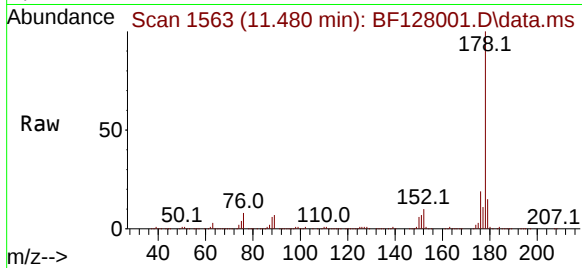
#71
Phenanthrene
Concen: 15.808 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:178 Resp: 292089
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.3 12.6 19.0

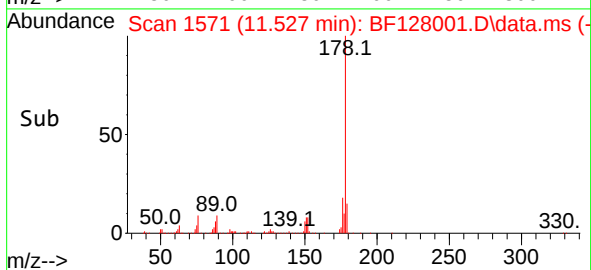
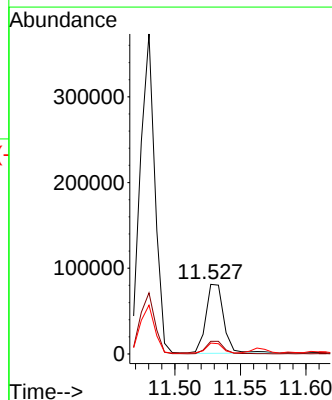
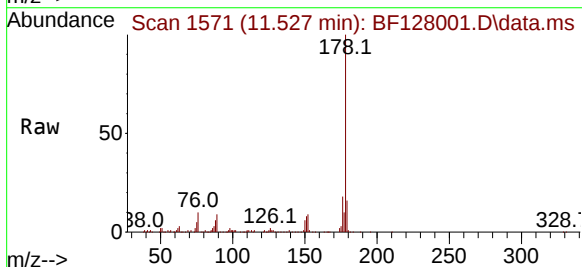
Manual Integrations
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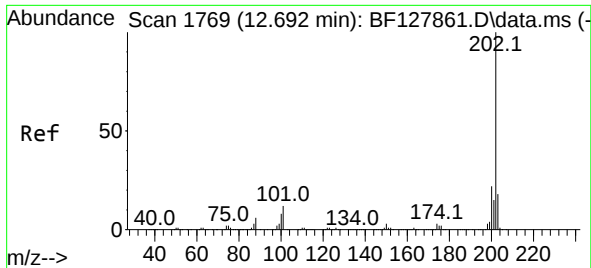
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#72
Anthracene
Concen: 4.223 ng
RT: 11.527 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

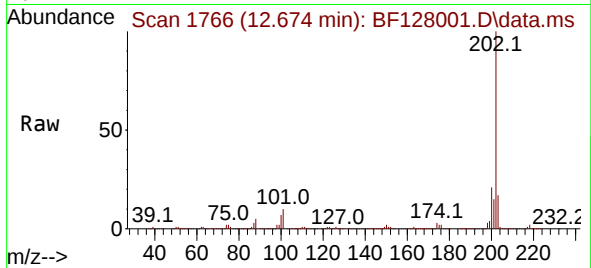
Tgt Ion:178 Resp: 77725
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 15.6 12.4 18.6





#75
Fluoranthene
Concen: 33.038 ng
RT: 12.674 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

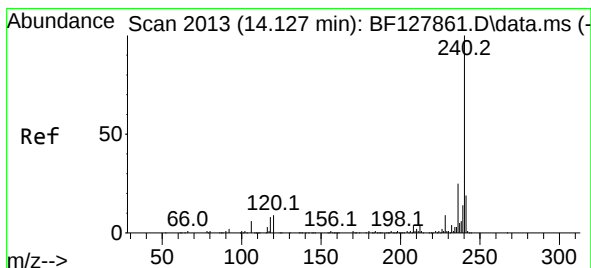
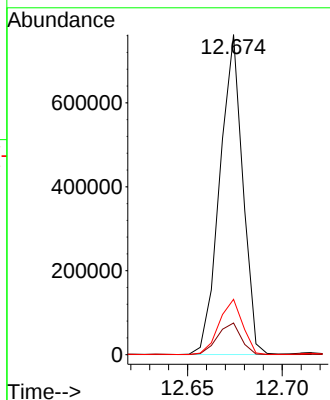
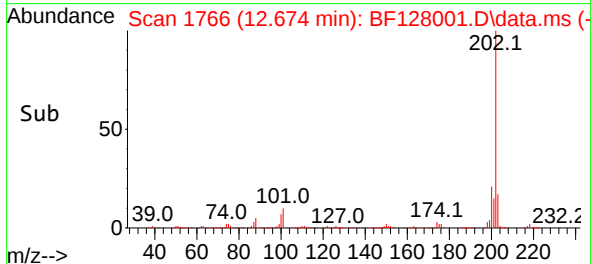
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:202 Resp: 64247
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.6
203 17.3 0.0 38.1

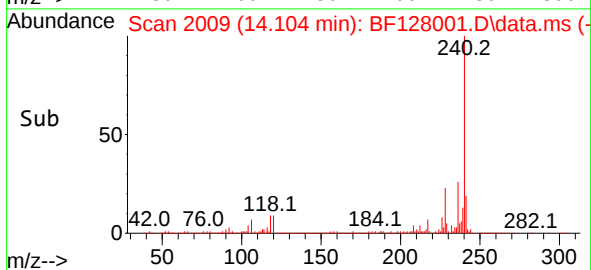
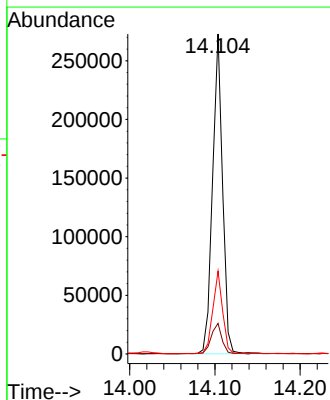
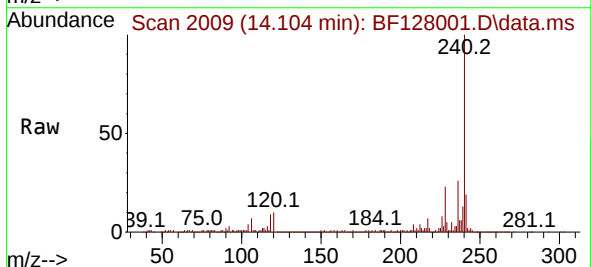
Manual Integrations
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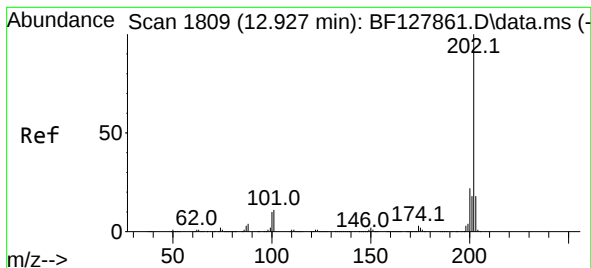
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion:240 Resp: 222932
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.6
236 25.9 20.3 30.5





#78

Pyrene

Concen: 33.860 ng

RT: 12.904 min Scan# 1805

Delta R.T. -0.012 min

Lab File: BF128001.D

Acq: 29 Apr 2022 18:13

Instrument :

BNA_F

ClientSampleId :

WC-4

Tgt Ion:202 Resp: 609358

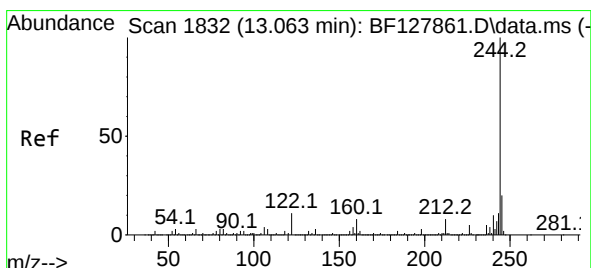
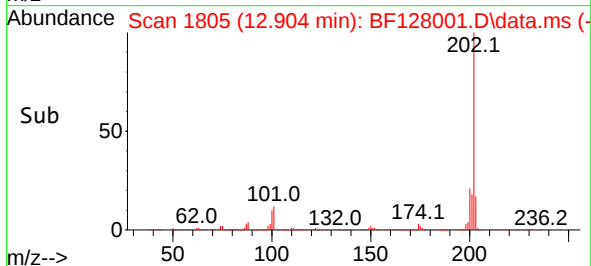
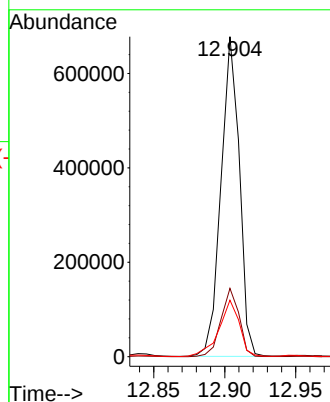
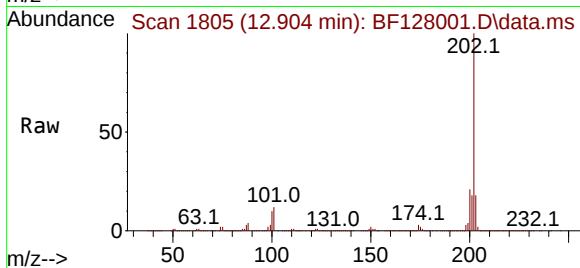
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.6	14.0	21.0

Manual Integrations

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Reviewed By :Christian Giraldo 05/02/2022

Supervised By :Jagrut Upadhyay 05/02/2022



#79

Terphenyl-d14

Concen: 66.339 ng

RT: 13.045 min Scan# 1829

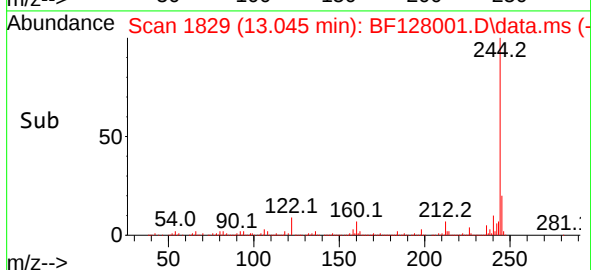
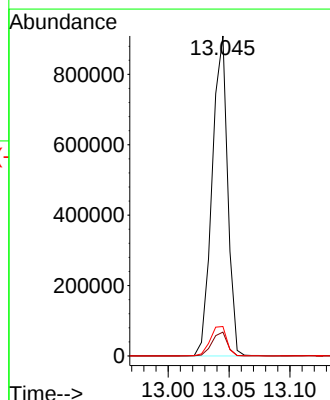
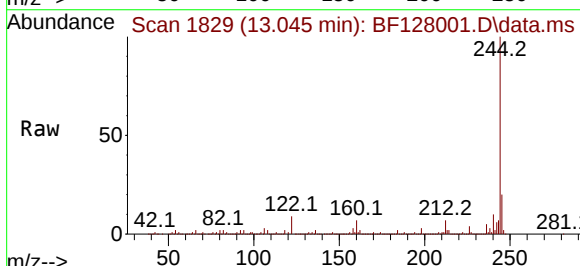
Delta R.T. -0.012 min

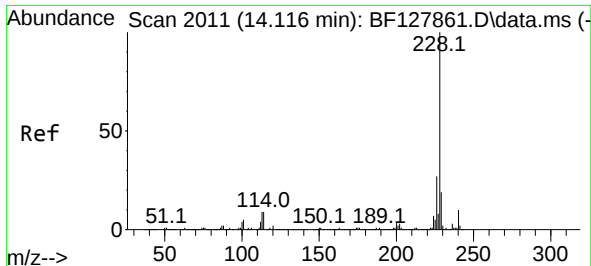
Lab File: BF128001.D

Acq: 29 Apr 2022 18:13

Tgt Ion:244 Resp: 808781

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.4
122	9.2	8.6	12.8





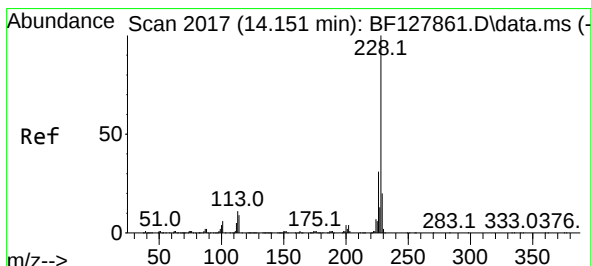
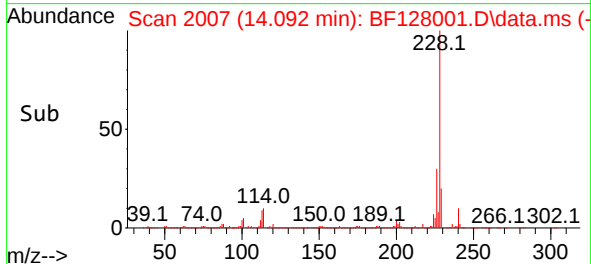
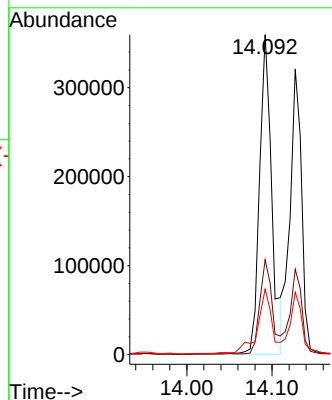
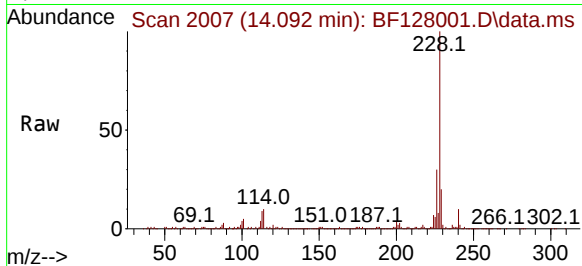
#81
Benzo(a)anthracene
Concen: 23.910 ng
RT: 14.092 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:228 Resp: 35528
Ion Ratio Lower Upper
228 100
226 29.7 21.7 32.5
229 20.5 15.4 23.2

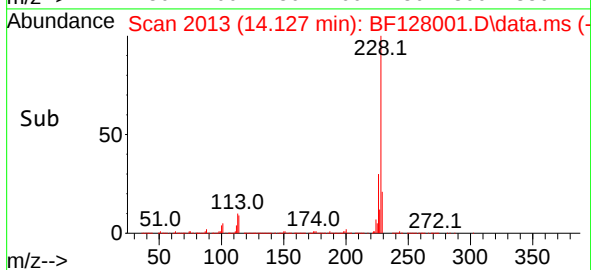
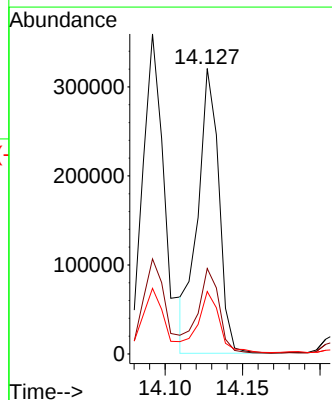
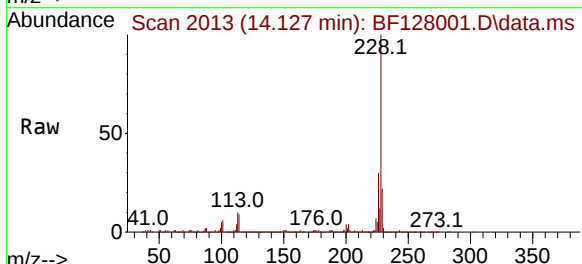
Manual Integrations
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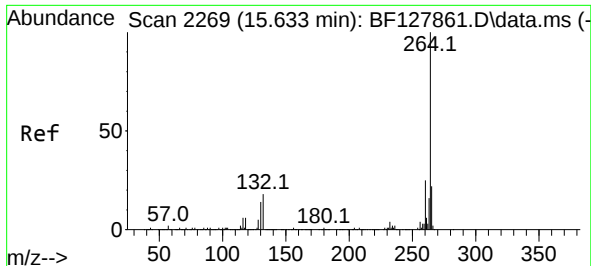
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#83
Chrysene
Concen: 21.389 ng
RT: 14.127 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

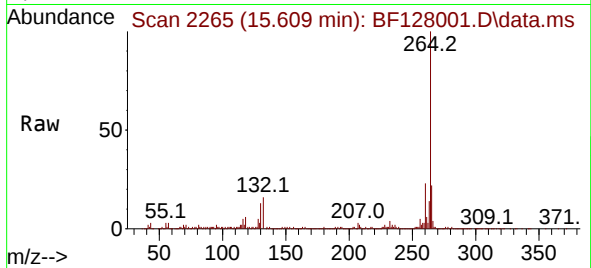
Tgt Ion:228 Resp: 303529
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 21.8 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.609 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

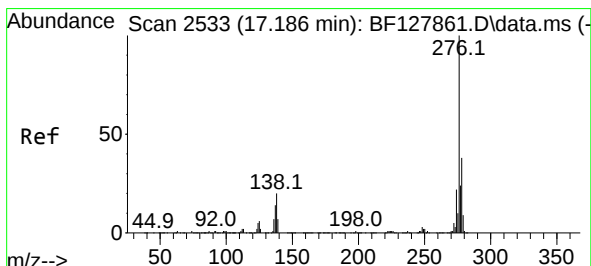
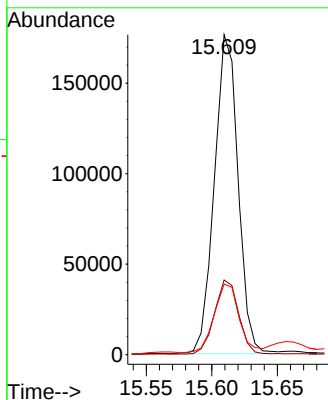
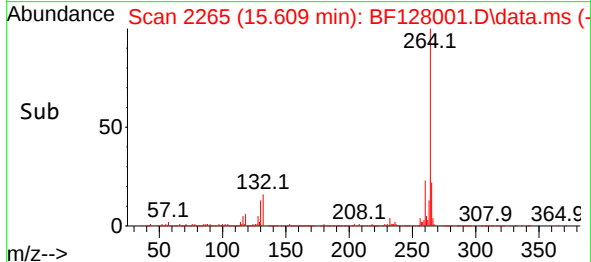
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:264 Resp: 221279
Ion Ratio Lower Upper
264 100
260 23.4 20.1 30.1
265 22.1 17.5 26.3

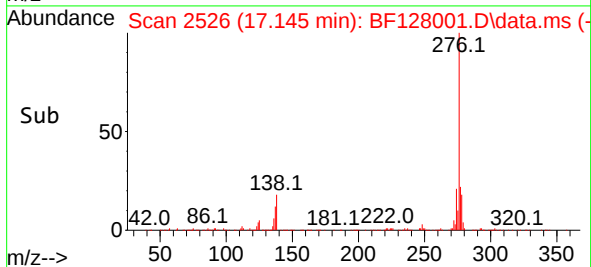
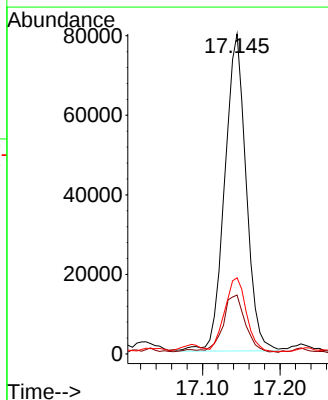
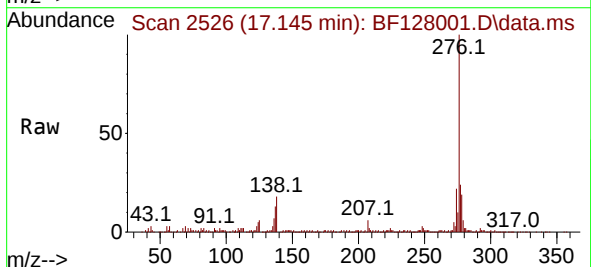
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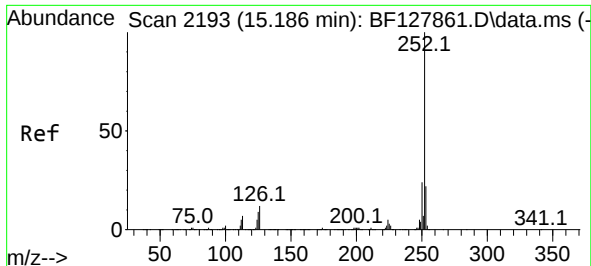
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.376 ng
RT: 17.145 min Scan# 2526
Delta R.T. -0.024 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

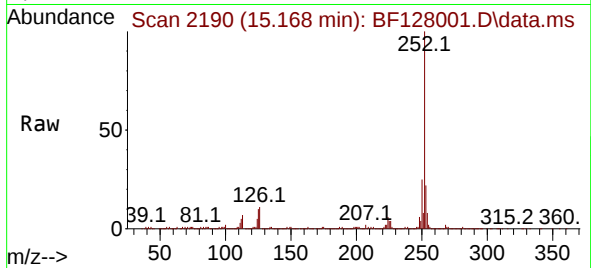
Tgt Ion:276 Resp: 153247
Ion Ratio Lower Upper
276 100
138 19.2 19.0 28.4
277 23.2 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 27.647 ng m
RT: 15.168 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

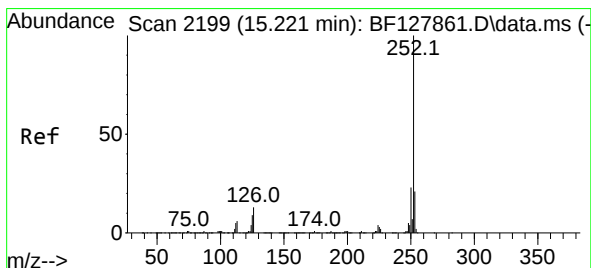
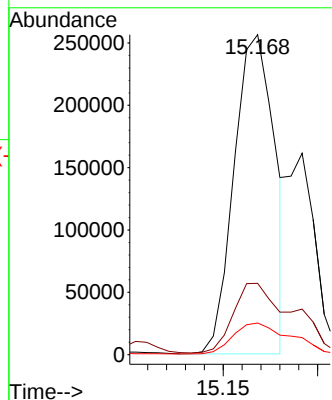
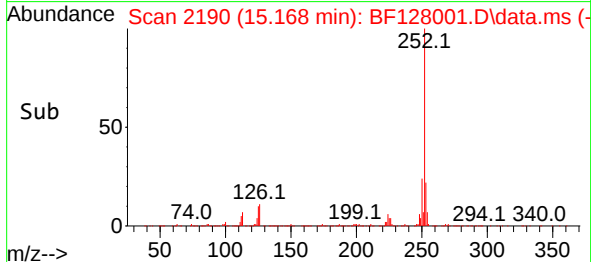
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:252 Resp: 38424
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 9.9 7.4 11.2

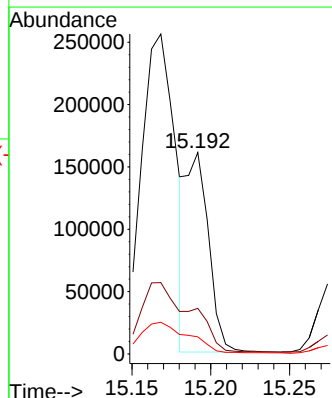
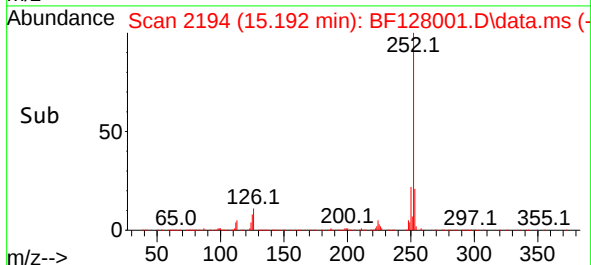
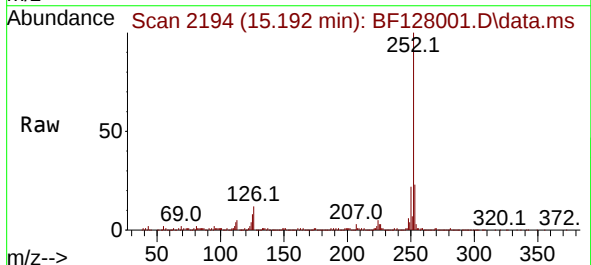
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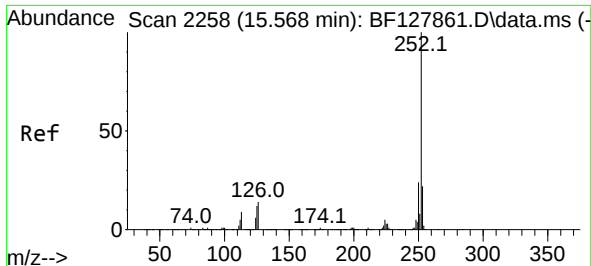
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#89
Benzo(k)fluoranthene
Concen: 11.338 ng m
RT: 15.192 min Scan# 2194
Delta R.T. -0.018 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion:252 Resp: 158754
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 8.5 6.8 10.2





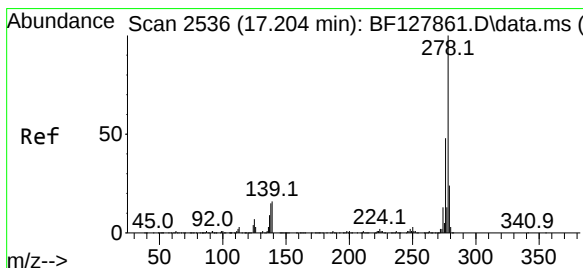
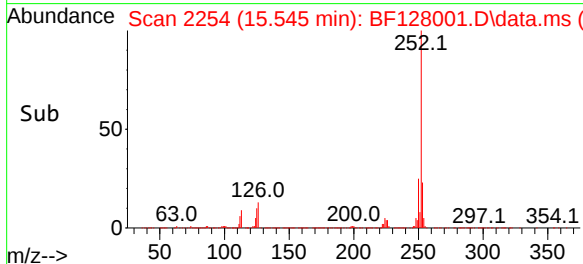
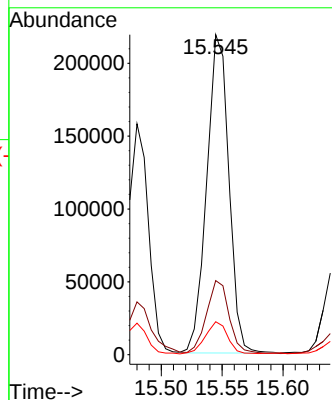
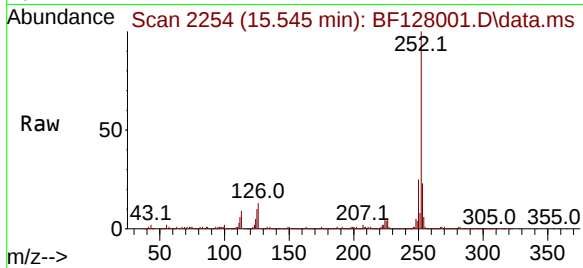
#90
Benzo(a)pyrene
Concen: 24.060 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:252 Resp: 277369
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.3 9.2 13.8

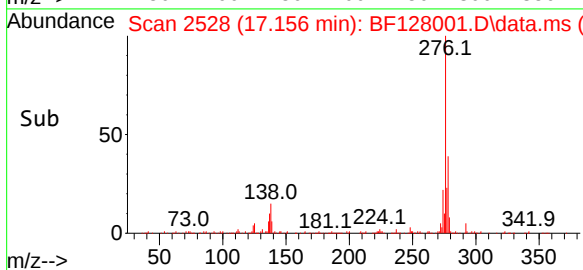
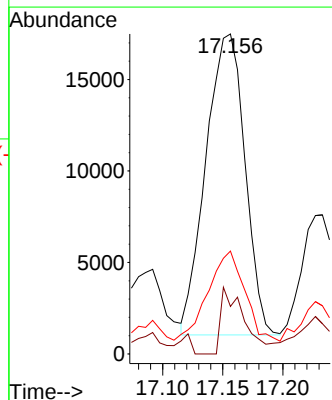
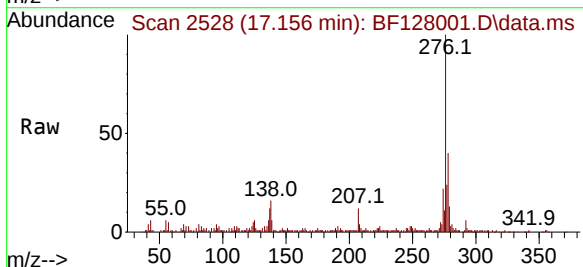
Manual Integrations
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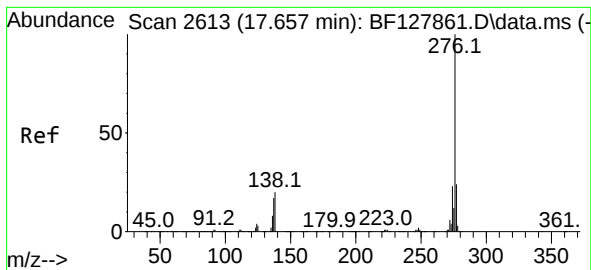
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.137 ng m
RT: 17.156 min Scan# 2528
Delta R.T. -0.029 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

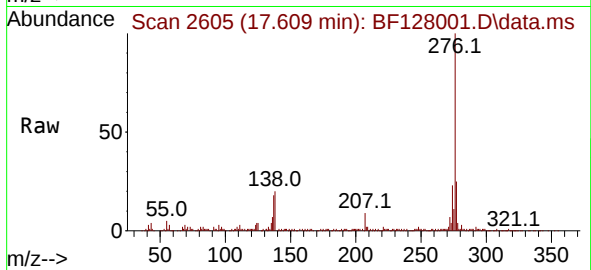
Tgt Ion:278 Resp: 37154
Ion Ratio Lower Upper
278 100
139 14.8 12.6 19.0
279 32.1 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 10.621 ng
 RT: 17.609 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF128001.D
 Acq: 29 Apr 2022 18:13

Instrument :
 BNA_F
 ClientSampleId :
 WC-4



Tgt Ion: 276 Resp: 13258
 Ion Ratio Lower Upper
 276 100
 277 24.8 18.8 28.2
 138 19.8 16.2 24.2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/02/2022
 Supervised By : Jagrut Upadhyay 05/02/2022

