

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
 Data File : BF130027.D
 Acq On : 26 Aug 2022 19:44
 Operator : CG\JU
 Sample : N4375-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/29/2022
 Supervised By : Jagrut Upadhyay 08/29/2022

Quant Time: Aug 27 06:12:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 14:45:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	116539	20.000	ng	-0.01
21) Naphthalene-d8	8.028	136	432275	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	188581	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	263979	20.000	ng	-0.01
76) Chrysene-d12	13.921	240	249725	20.000	ng	0.00
86) Perylene-d12	15.368	264	202691	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	789318	112.140	ng	0.00
7) Phenol-d6	6.410	99	950357	107.819	ng	-0.01
23) Nitrobenzene-d5	7.322	82	608338	75.335	ng	-0.01
42) 2,4,6-Tribromophenol	10.580	330	167565	88.533	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	944419	76.062	ng	-0.01
79) Terphenyl-d14	12.851	244	795234	52.987	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.645	152	47413	2.758	ng	99
71) Phenanthrene	11.292	178	153765	10.430	ng	99
72) Anthracene	11.351	178	46341	3.161	ng	98
75) Fluoranthene	12.486	202	333558	22.110	ng	99
78) Pyrene	12.715	202	306835	14.139	ng	99
80) Butylbenzylphthalate	13.321	149	23085	2.514	ng	90
81) Benzo(a)anthracene	13.910	228	237606	13.831	ng	97
83) Chrysene	13.945	228	192375	11.963	ng	98
87) Indeno(1,2,3-cd)pyrene	16.809	276	105741	7.599	ng	93
88) Benzo(b)fluoranthene	14.951	252	278556m	20.070	ng	
89) Benzo(k)fluoranthene	14.974	252	81093m	6.092	ng	
90) Benzo(a)pyrene	15.309	252	171536	15.694	ng	98
91) Dibenzo(a,h)anthracene	16.803	278	30104m	2.622	ng	
92) Benzo(g,h,i)perylene	17.245	276	98213	8.574	ng	96

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

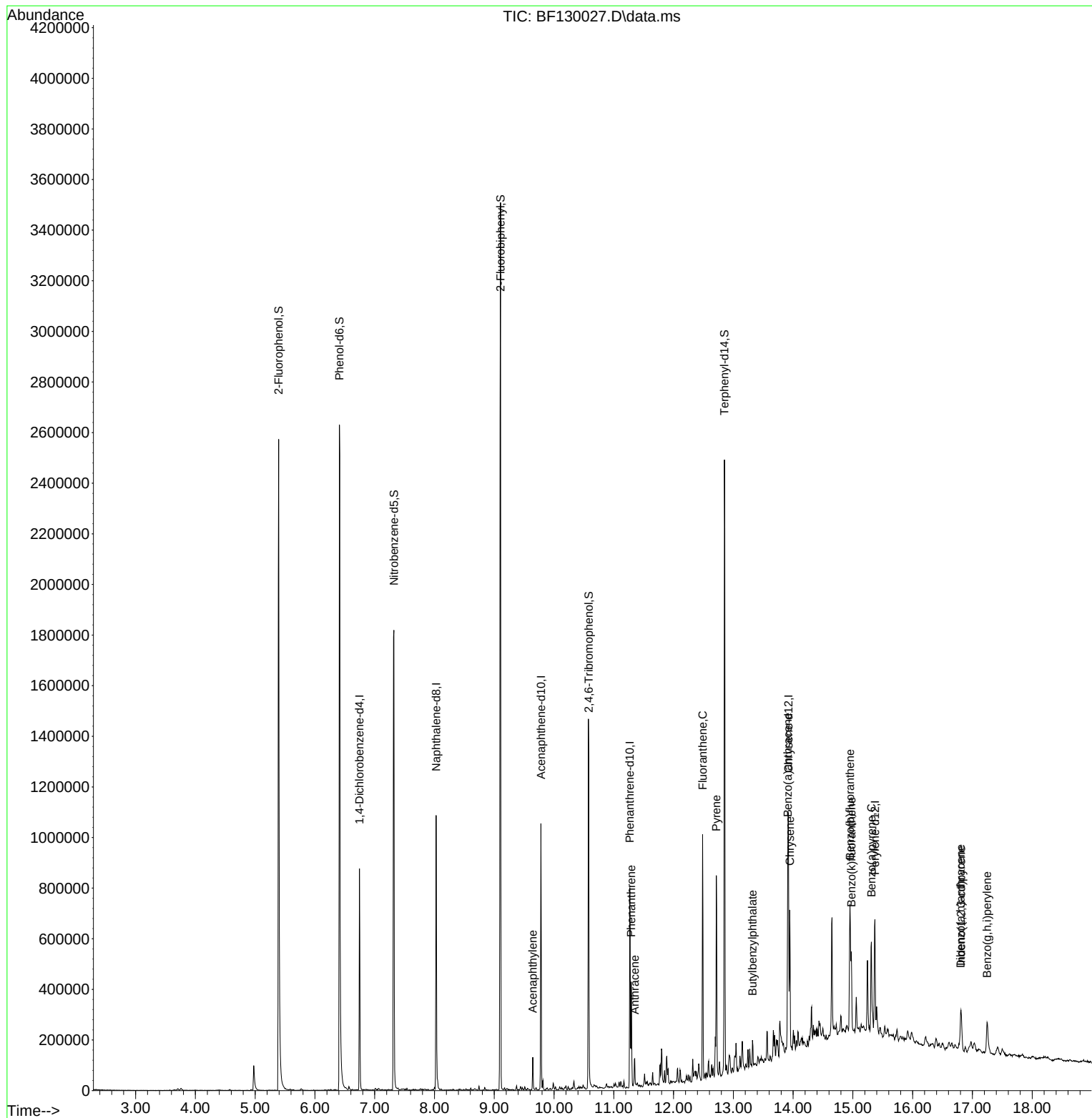
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130027.D
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Operator : CG\JU
Sample : N4375-10
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ALS Vial : 16 Sample Multiplier: 1

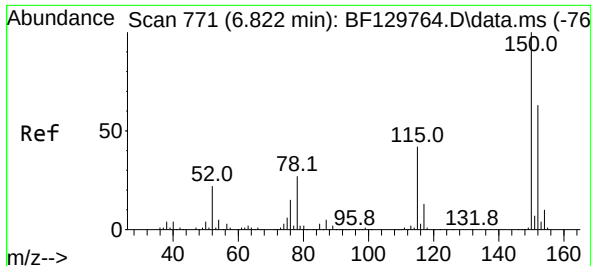
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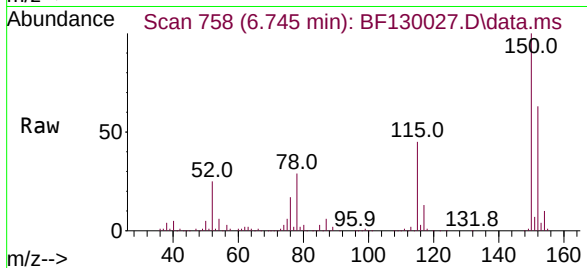
Quant Time: Aug 27 06:12:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 14:45:09 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

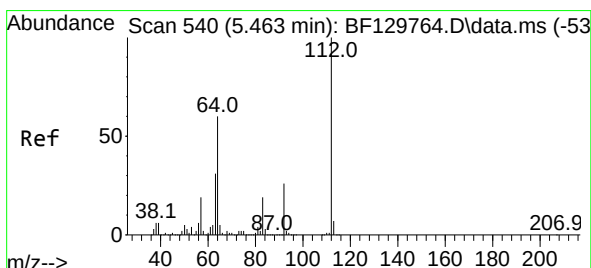
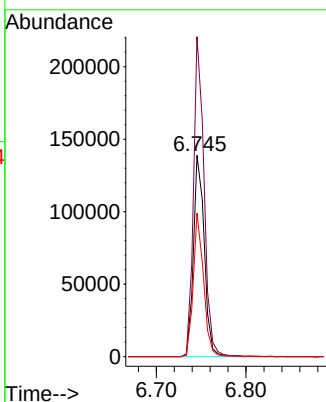
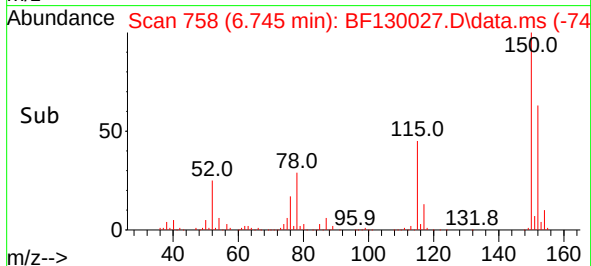
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:152 Resp: 116539
Ion Ratio Lower Upper
152 100
150 159.1 126.9 190.3
115 71.3 53.4 80.0

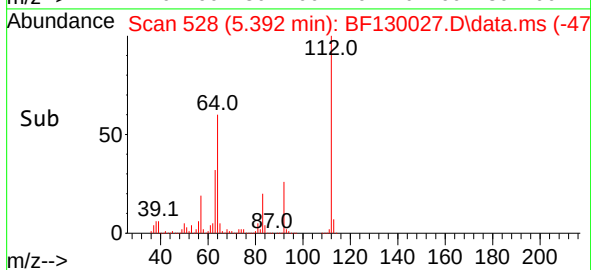
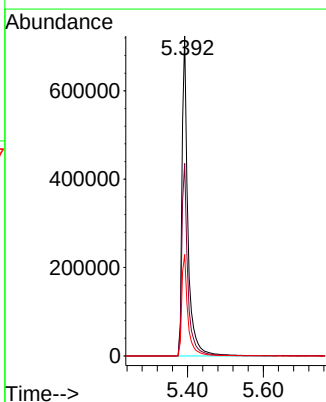
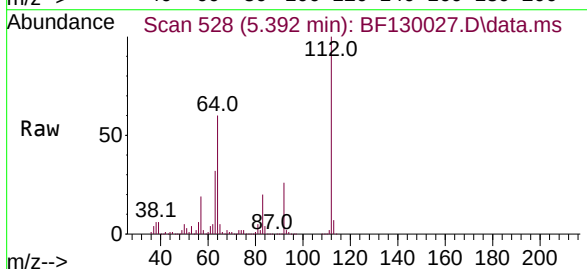
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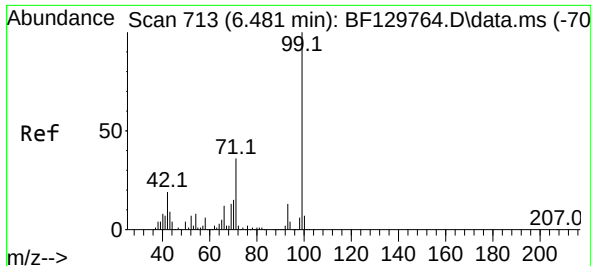
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#5
2-Fluorophenol
Concen: 112.140 ng
RT: 5.392 min Scan# 528
Delta R.T. -0.000 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

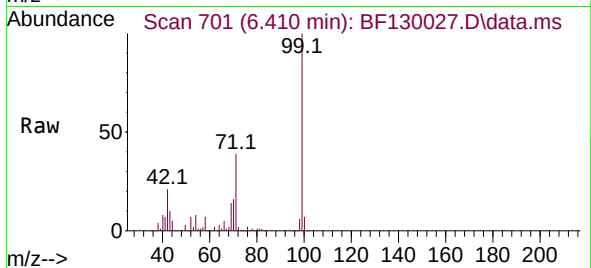
Tgt Ion:112 Resp: 789318
Ion Ratio Lower Upper
112 100
64 60.1 47.6 71.4
63 31.7 24.6 37.0





#7
Phenol-d6
Concen: 107.819 ng
RT: 6.410 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

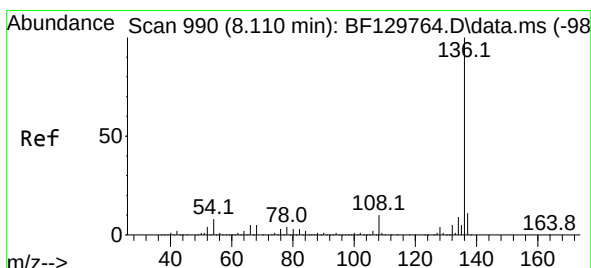
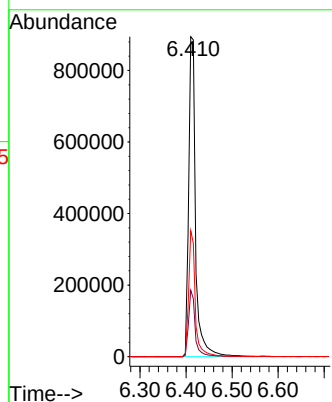
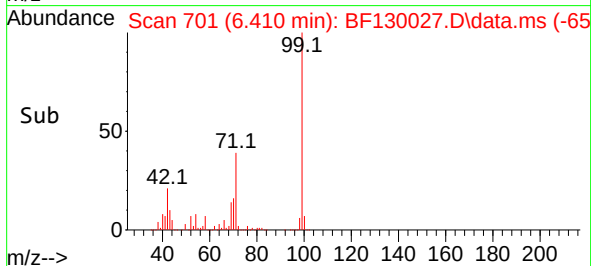
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion: 99 Resp: 950352
Ion Ratio Lower Upper
99 100
42 20.7 15.0 22.4
71 39.3 28.8 43.2

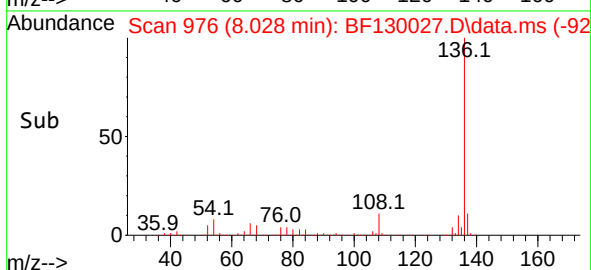
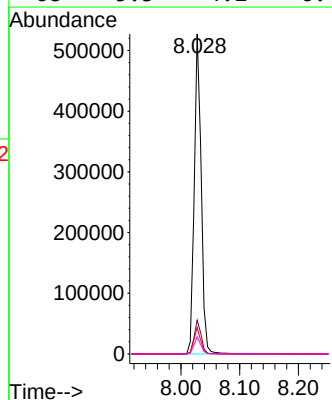
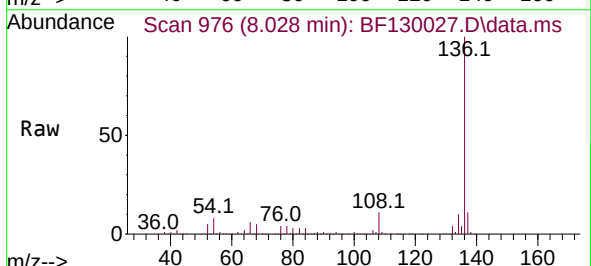
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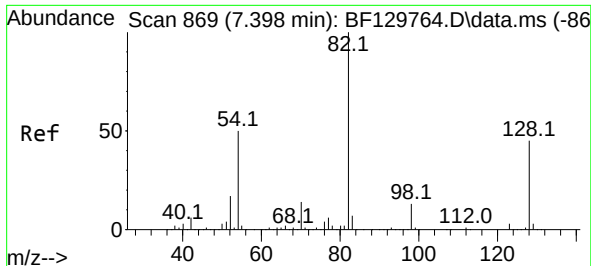
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 976
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

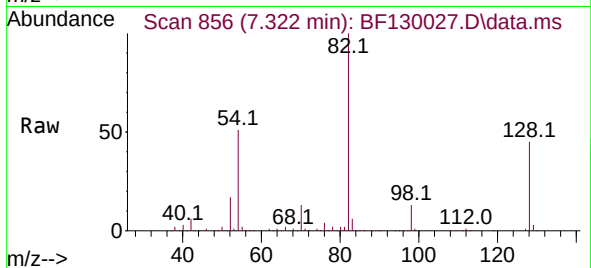
Tgt Ion:136 Resp: 432275
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 8.3 6.2 9.2
68 5.3 4.2 6.4





#23
Nitrobenzene-d5
Concen: 75.335 ng
RT: 7.322 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

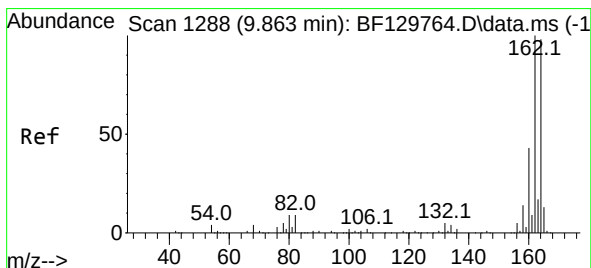
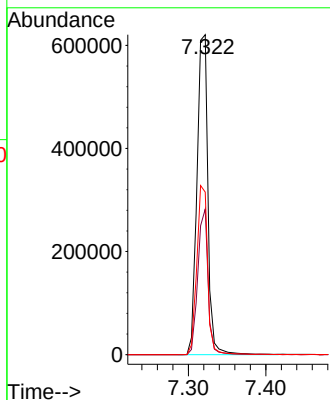
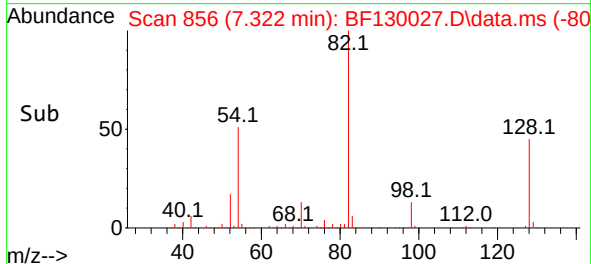
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion: 82 Resp: 608338
Ion Ratio Lower Upper
82 100
128 45.5 36.1 54.1
54 50.8 40.0 60.0

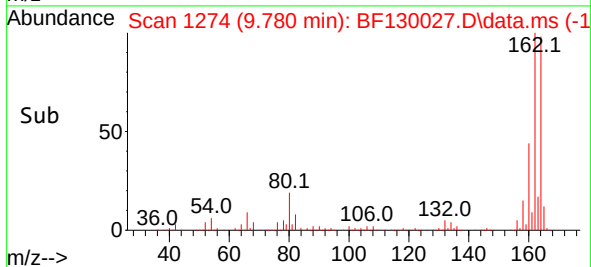
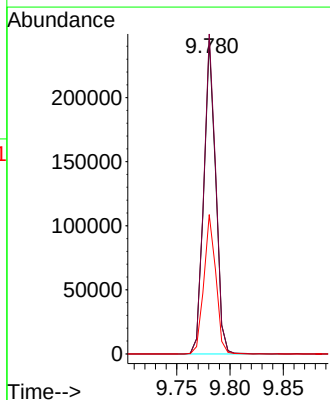
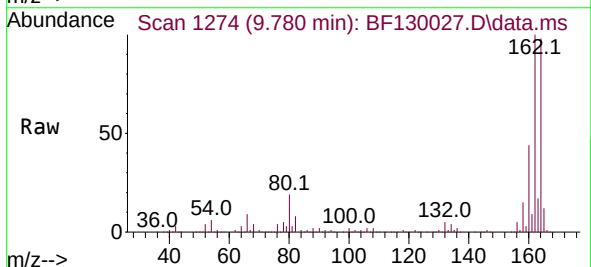
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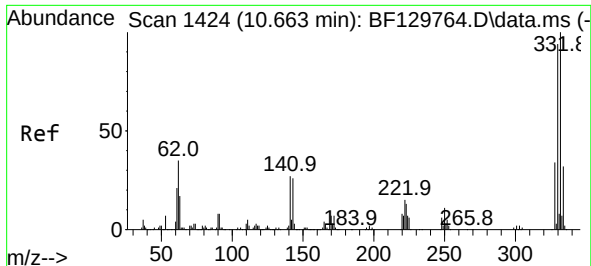
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 1274
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion:164 Resp: 188581
Ion Ratio Lower Upper
164 100
162 102.1 82.0 123.0
160 44.4 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 88.533 ng
RT: 10.580 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Instrument :

BNA_F

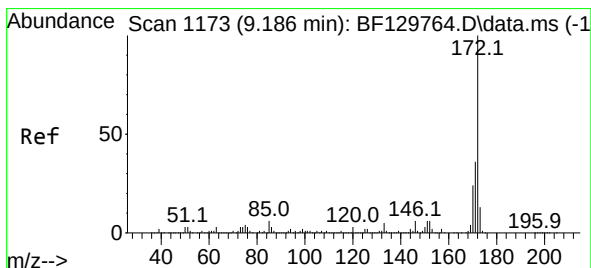
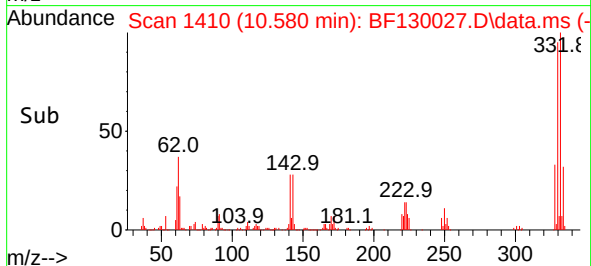
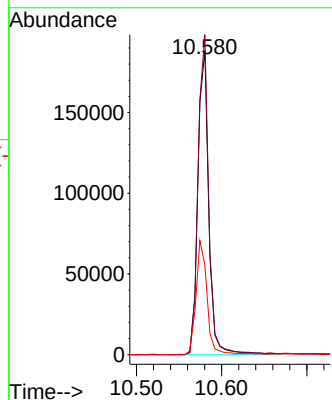
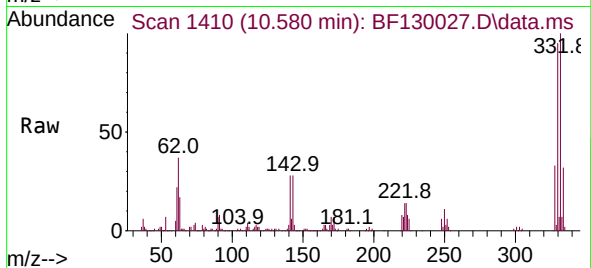
ClientSampleId :

WC-4

Tgt Ion:330 Resp: 167569
Ion Ratio Lower Upper
330 100
332 104.5 82.6 124.0
141 38.2 27.6 41.4

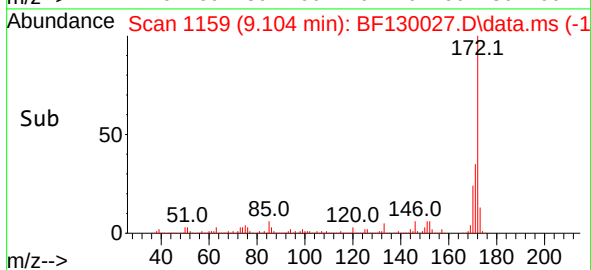
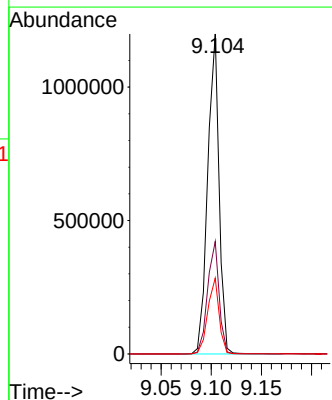
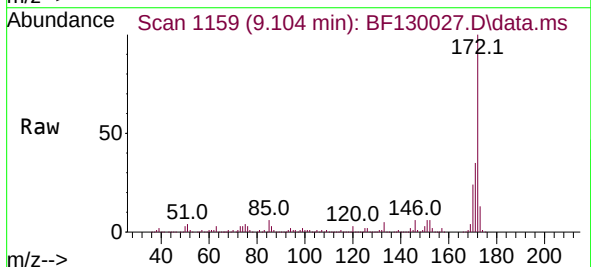
Manual Integrations
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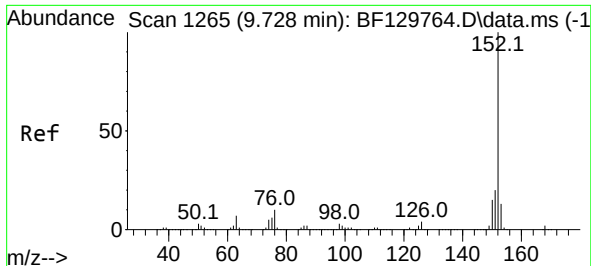
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#45
2-Fluorobiphenyl
Concen: 76.062 ng
RT: 9.104 min Scan# 1159
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion:172 Resp: 944419
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.7 19.1 28.7





#49

Acenaphthylene

Concen: 2.758 ng

RT: 9.645 min Scan# 1521

Delta R.T. -0.012 min

Lab File: BF130027.D

Acq: 26 Aug 2022 19:44

Instrument :

BNA_F

ClientSampleId :

WC-4

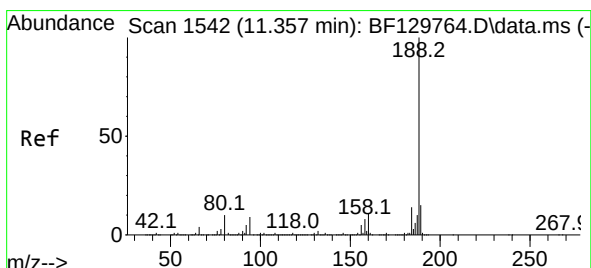
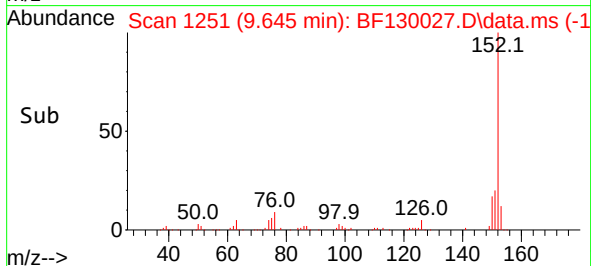
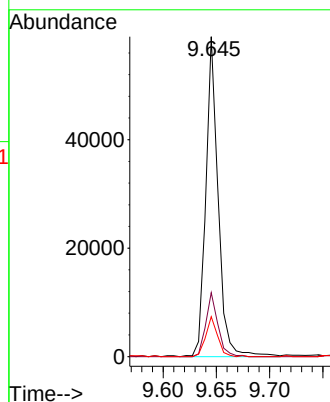
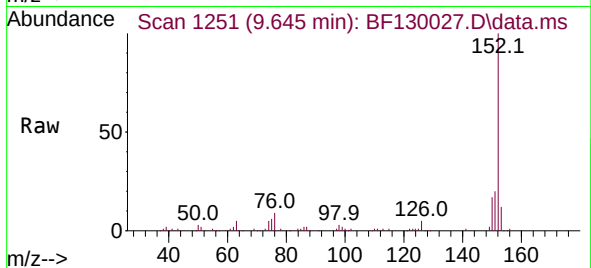
Tgt Ion:	152	Resp:	47413
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.1	24.1
153	12.5	10.6	16.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/29/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

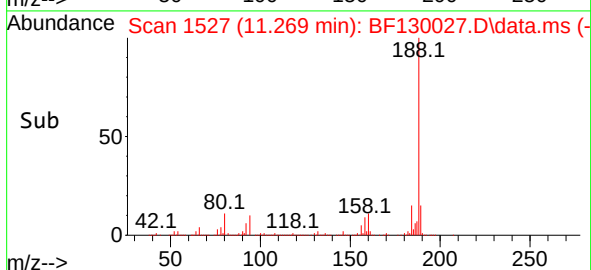
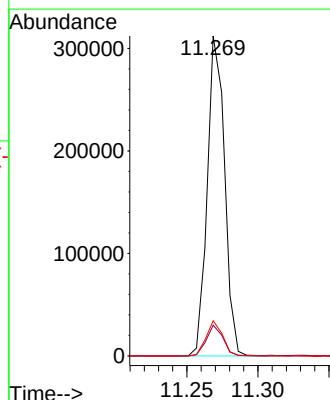
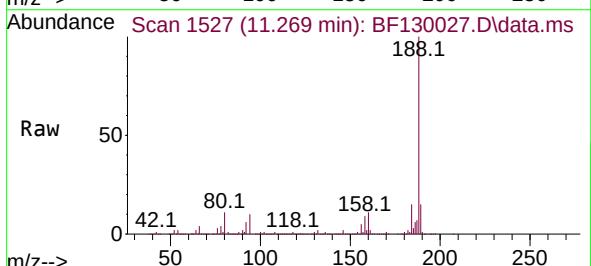
RT: 11.269 min Scan# 1527

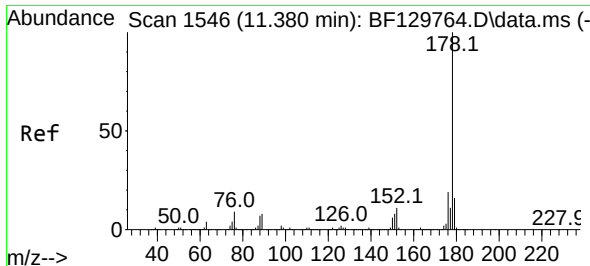
Delta R.T. -0.012 min

Lab File: BF130027.D

Acq: 26 Aug 2022 19:44

Tgt Ion:	188	Resp:	263979
Ion Ratio	Lower	Upper	
188	100		
94	9.6	7.4	11.2
80	11.0	7.9	11.9





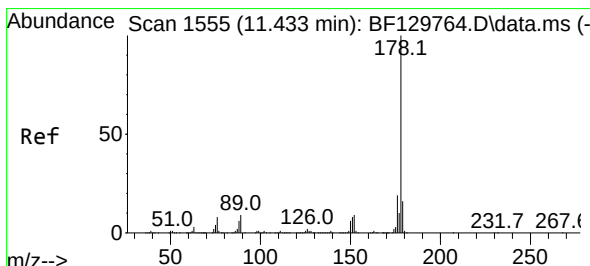
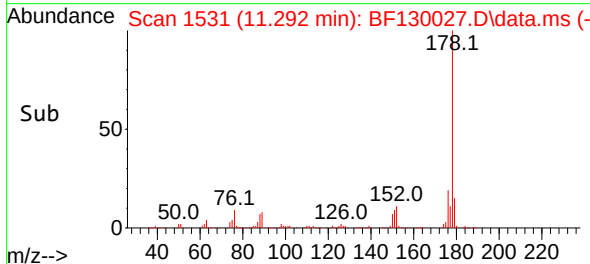
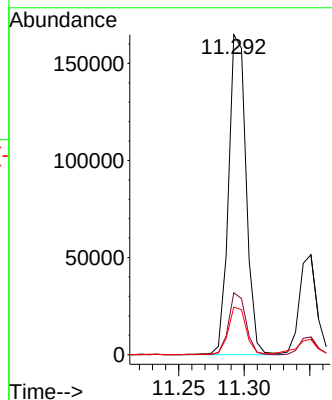
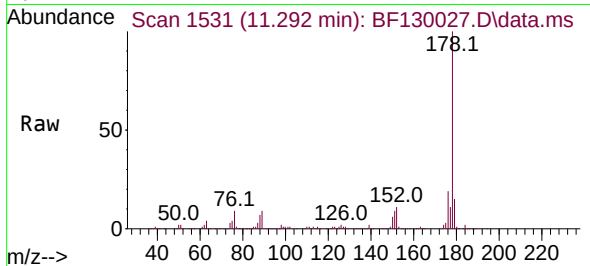
#71
Phenanthrene
Concen: 10.430 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:178 Resp: 153765
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 14.8 12.5 18.7

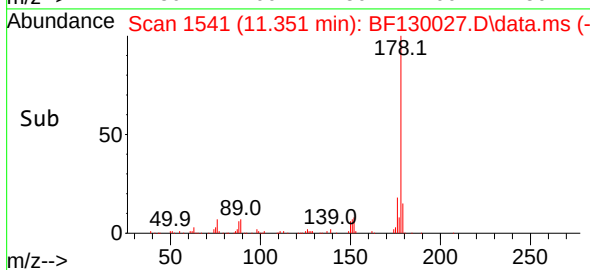
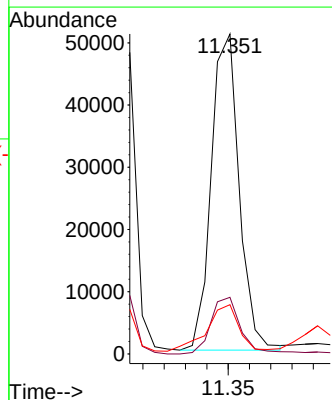
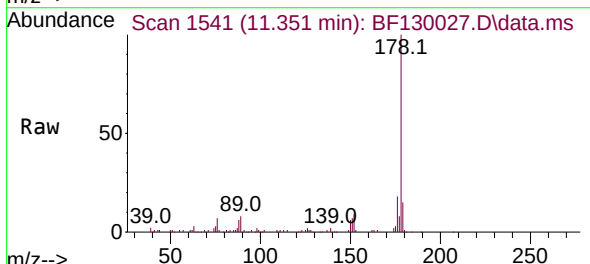
Manual Integrations
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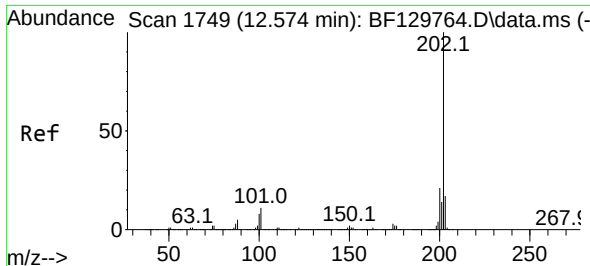
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#72
Anthracene
Concen: 3.161 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

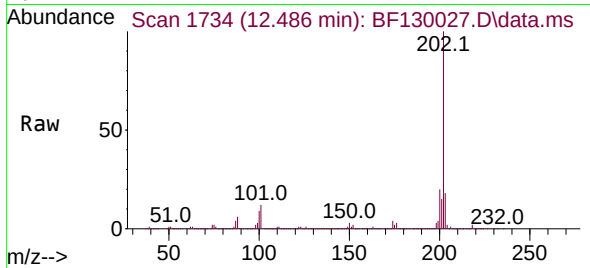
Tgt Ion:178 Resp: 46341
Ion Ratio Lower Upper
178 100
176 17.7 15.1 22.7
179 15.4 12.6 18.8





#75
Fluoranthene
Concen: 22.110 ng
RT: 12.486 min Scan# 1749
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

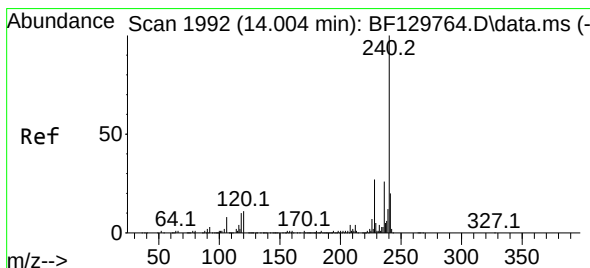
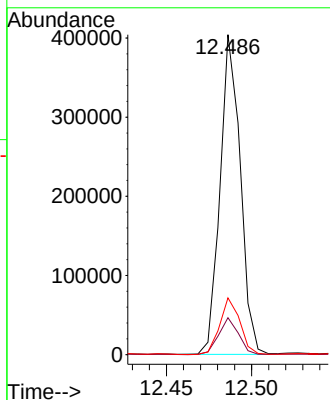
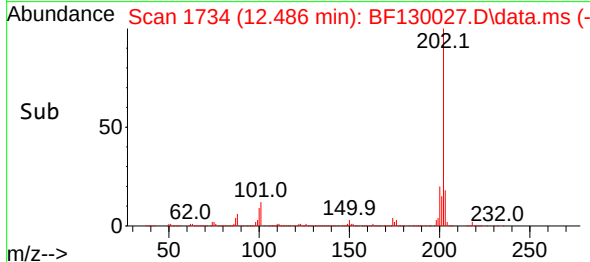
Instrument :
BNA_F
ClientSampleId :
WC-4



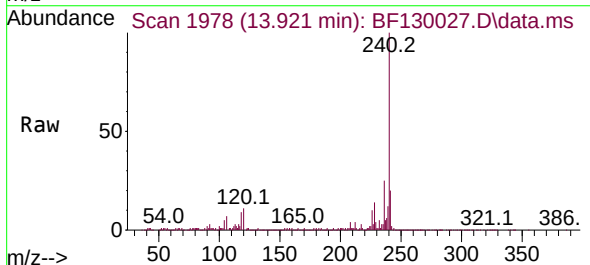
Tgt Ion:202 Resp: 333558
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.7
203 17.7 0.0 37.5

Manual Integrations
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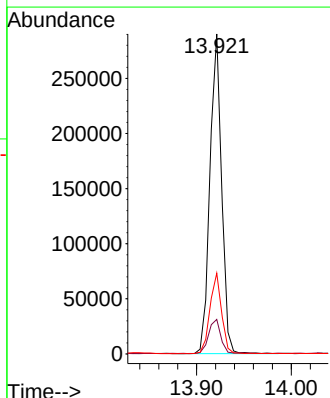
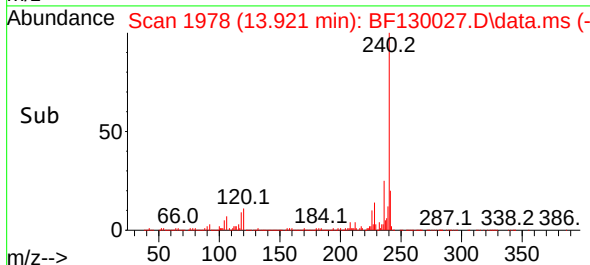
Reviewed By :Christian Giraldo 08/29/2022
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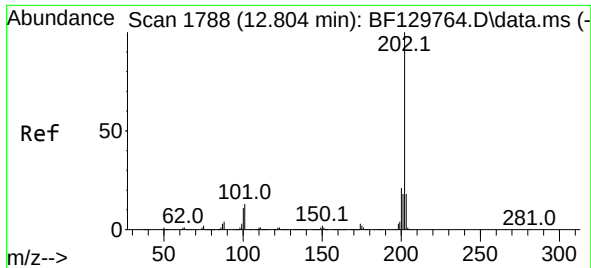


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.921 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44



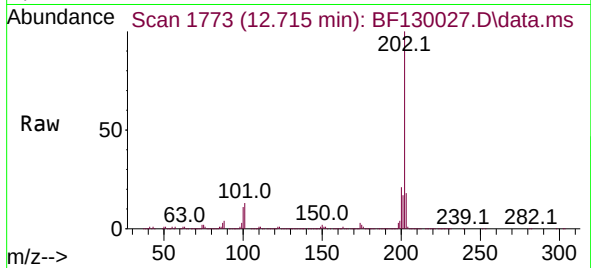
Tgt Ion:240 Resp: 249725
Ion Ratio Lower Upper
240 100
120 10.8 9.2 13.8
236 25.2 20.7 31.1





#78
Pyrene
Concen: 14.139 ng
RT: 12.715 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

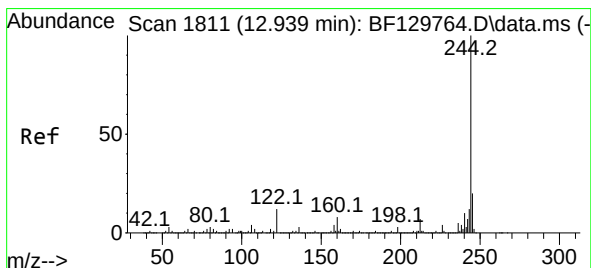
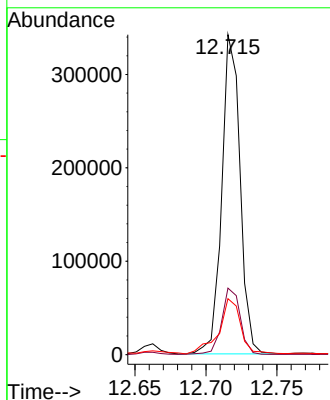
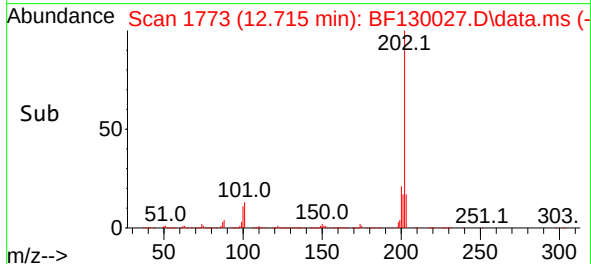
Instrument :
BNA_F
ClientSampleId :
WC-4



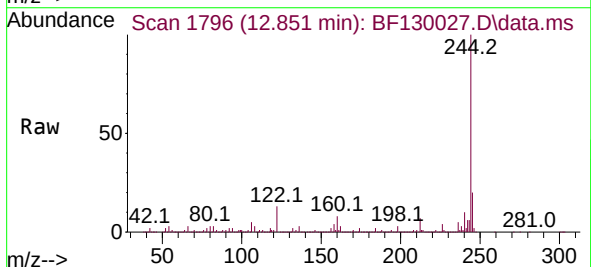
Tgt Ion:202 Resp: 306835
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.6
203 17.5 14.1 21.1

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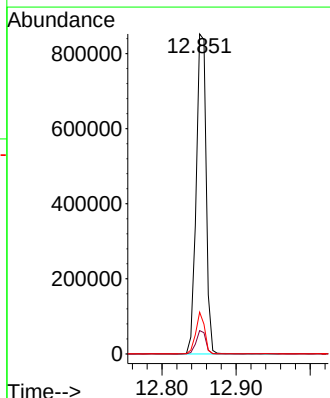
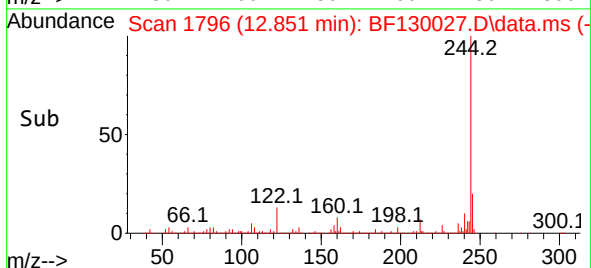
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022

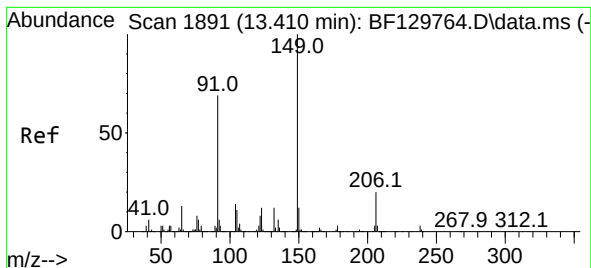


#79
Terphenyl-d14
Concen: 52.987 ng
RT: 12.851 min Scan# 1796
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44



Tgt Ion:244 Resp: 795234
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 13.0 9.9 14.9





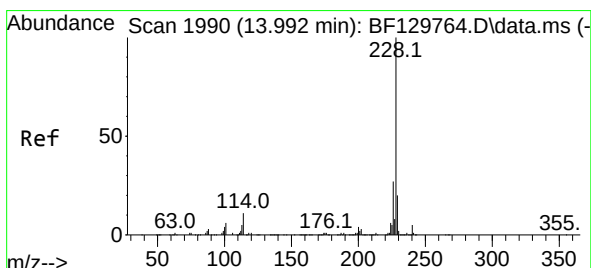
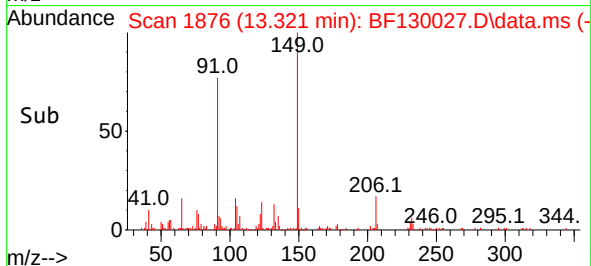
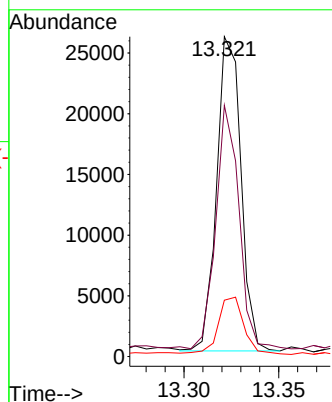
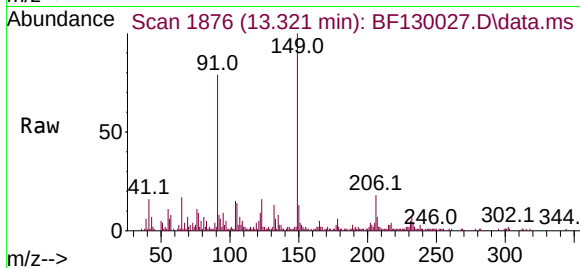
#80
Butylbenzylphthalate
Concen: 2.514 ng
RT: 13.321 min Scan# 1891
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:149 Resp: 23085
Ion Ratio Lower Upper
149 100
91 78.5 55.4 83.0
206 17.6 15.8 23.6

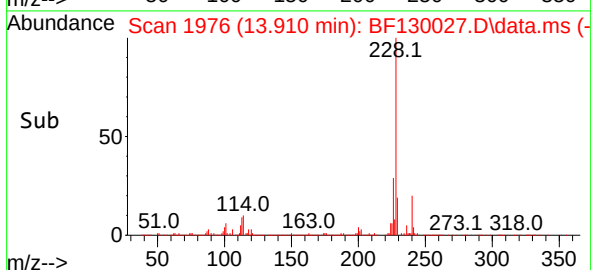
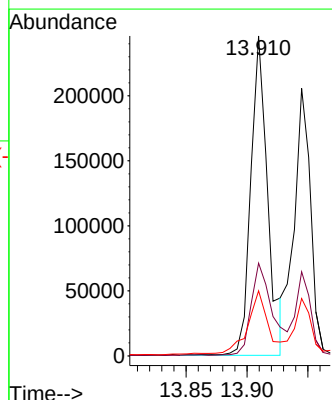
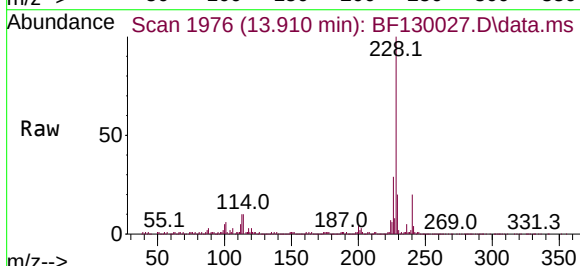
Manual Integrations
APPROVED

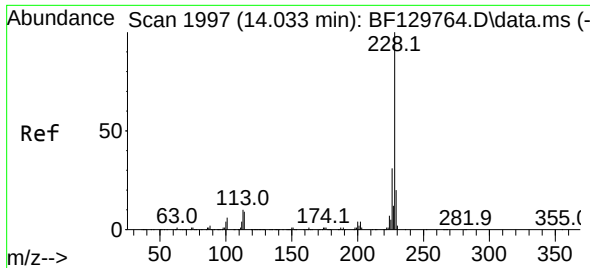
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#81
Benzo(a)anthracene
Concen: 13.831 ng
RT: 13.910 min Scan# 1976
Delta R.T. -0.006 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

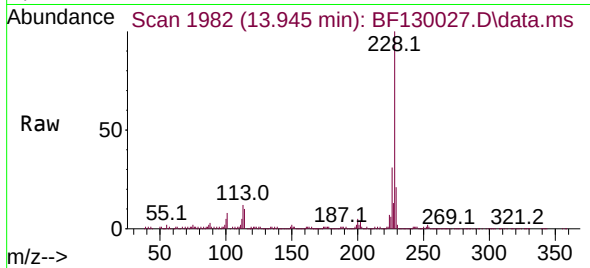
Tgt Ion:228 Resp: 237606
Ion Ratio Lower Upper
228 100
226 29.0 21.4 32.0
229 20.3 16.1 24.1





#83
Chrysene
Concen: 11.963 ng
RT: 13.945 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

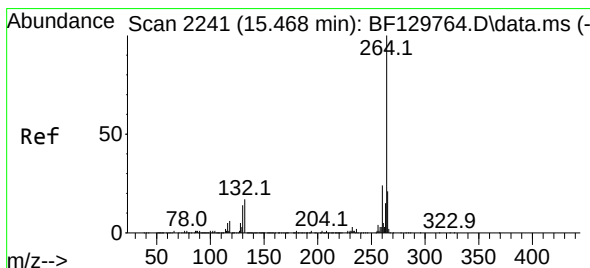
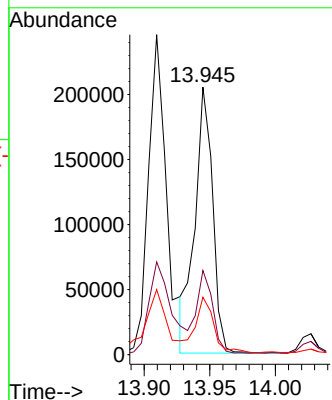
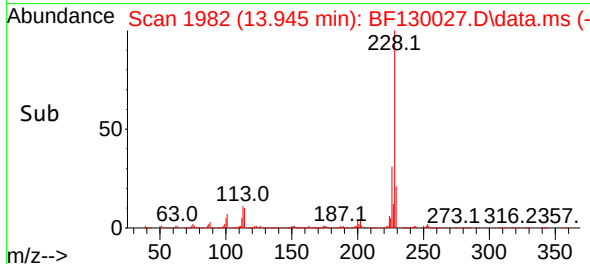
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:228 Resp: 192375
Ion Ratio Lower Upper
228 100
226 31.5 24.4 36.6
229 21.5 15.9 23.9

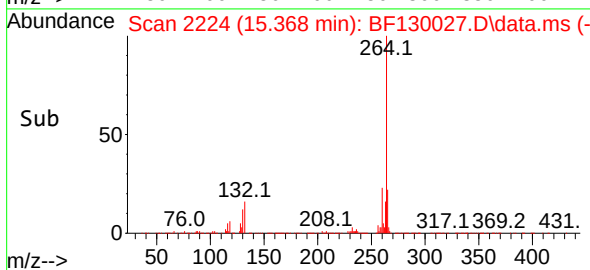
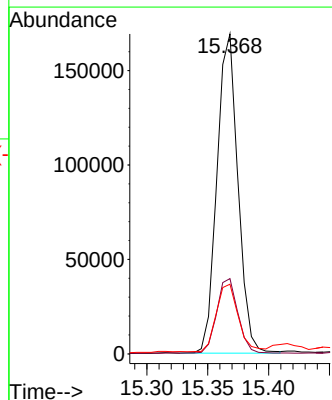
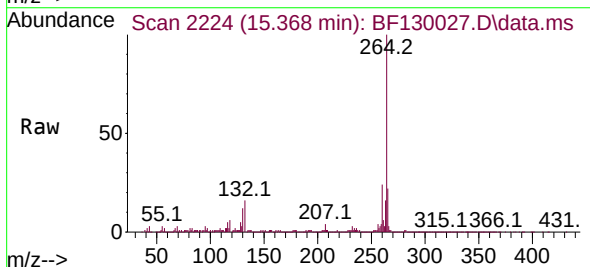
Manual Integrations
APPROVED

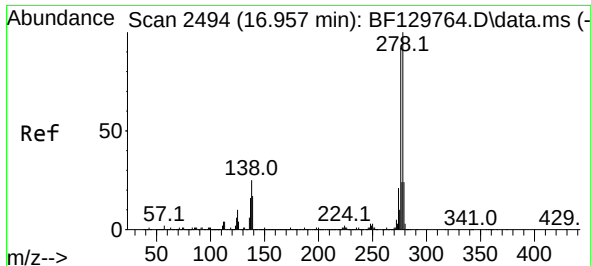
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.368 min Scan# 2224
Delta R.T. -0.000 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

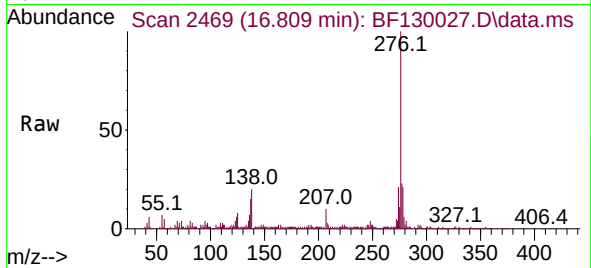
Tgt Ion:264 Resp: 202691
Ion Ratio Lower Upper
264 100
260 23.5 19.1 28.7
265 21.8 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.599 ng
RT: 16.809 min Scan# 2494
Delta R.T. -0.006 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

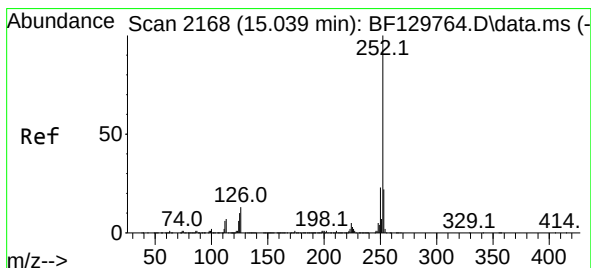
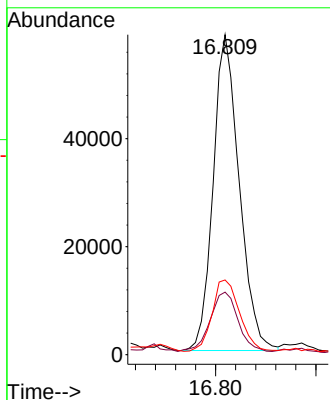
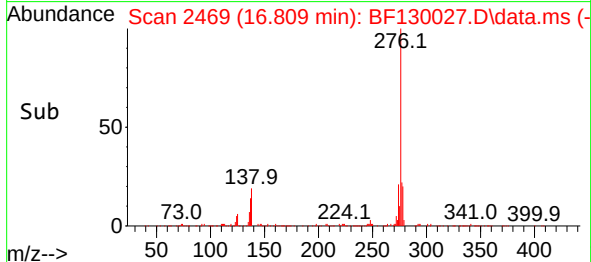
Instrument :
BNA_F
ClientSampleId :
WC-4



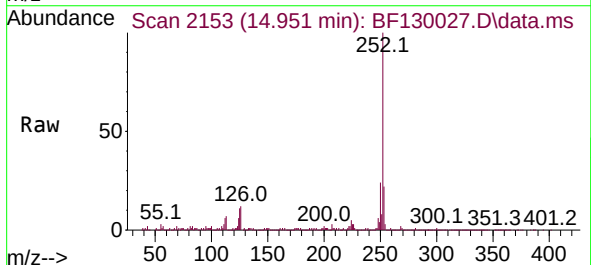
Tgt Ion:276 Resp: 10574
Ion Ratio Lower Upper
276 100
138 20.0 19.8 29.8
277 23.7 20.4 30.6

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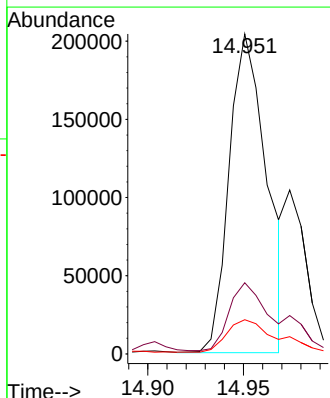
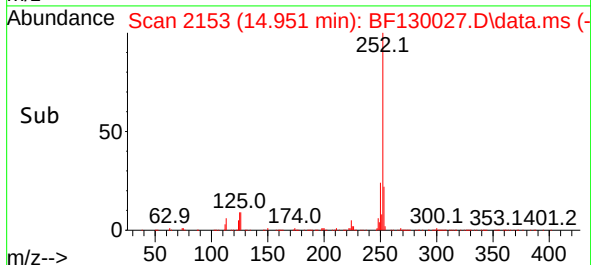
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022

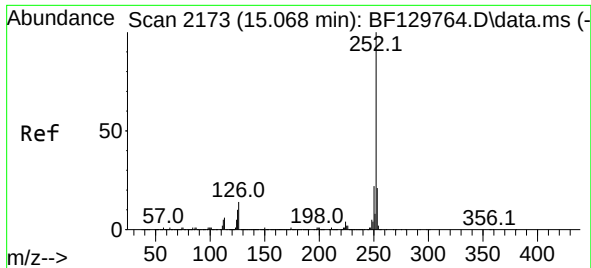


#88
Benzo(b)fluoranthene
Concen: 20.070 ng m
RT: 14.951 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44



Tgt Ion:252 Resp: 278556
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.7 8.3 12.5





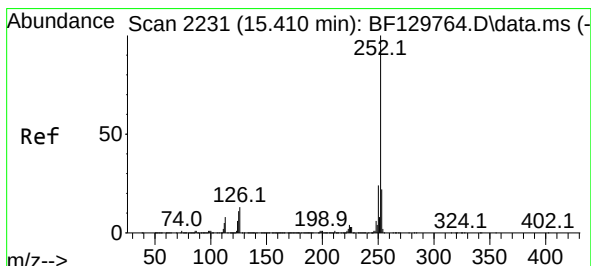
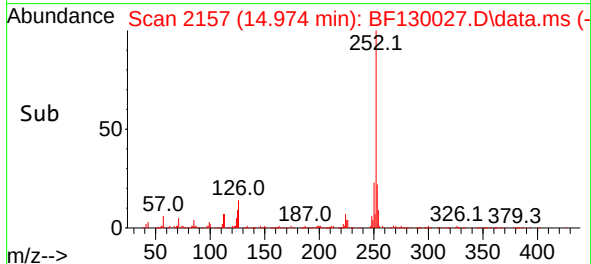
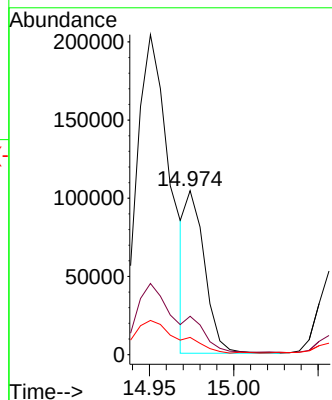
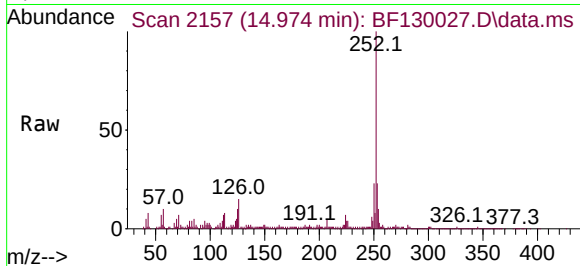
#89
Benzo(k)fluoranthene
Concen: 6.092 ng m
RT: 14.974 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:252 Resp: 81093
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 10.5 8.3 12.5

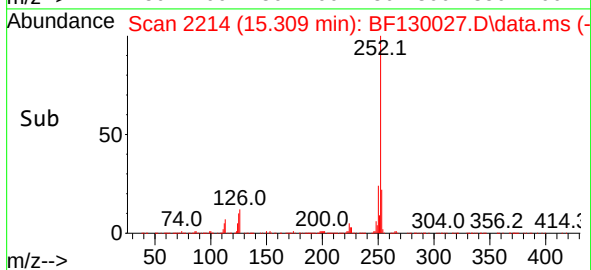
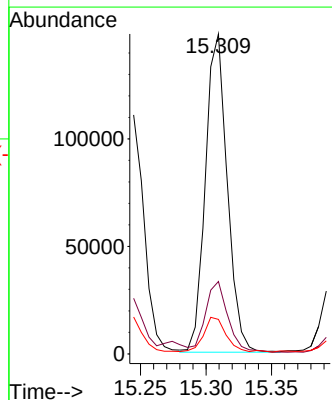
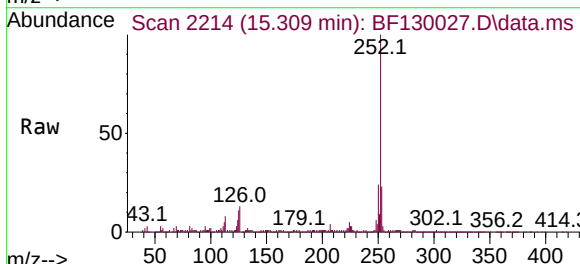
Manual Integrations
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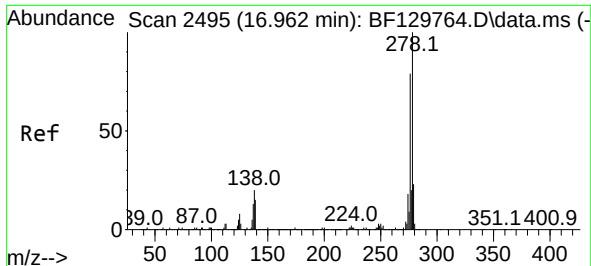
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#90
Benzo(a)pyrene
Concen: 15.694 ng
RT: 15.309 min Scan# 2214
Delta R.T. -0.000 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion:252 Resp: 171536
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 10.8 8.8 13.2





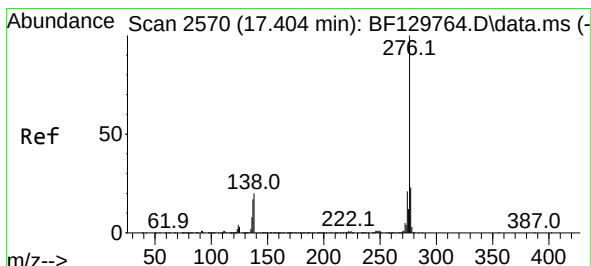
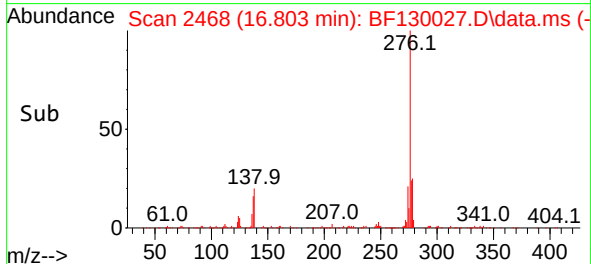
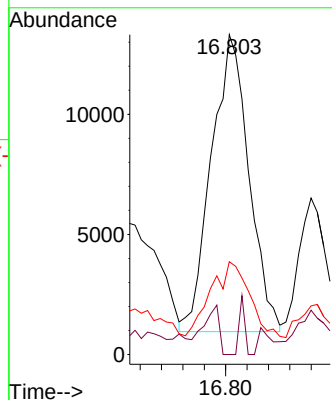
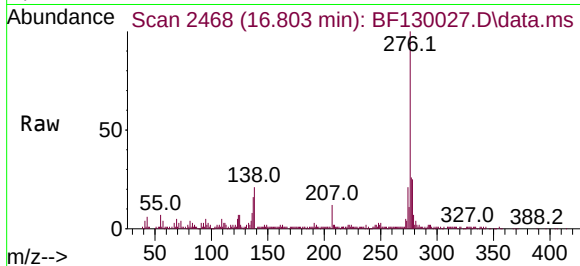
#91
Dibenzo(a,h)anthracene
Concen: 2.622 ng m
RT: 16.803 min Scan# 2495
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion: 278 Resp: 30104
Ion Ratio Lower Upper
278 100
139 0.0 12.2 18.4
279 29.0 18.7 28.1

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Reviewed By : Christian Giraldo 08/29/2022
Supervised By : Jagrut Upadhyay 08/29/2022



#92
Benzo(g,h,i)perylene
Concen: 8.574 ng
RT: 17.245 min Scan# 2543
Delta R.T. -0.000 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion: 276 Resp: 98213
Ion Ratio Lower Upper
276 100
277 22.9 18.2 27.4
138 23.4 15.8 23.8

