

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
 Data File : BF128005.D
 Acq On : 29 Apr 2022 20:07
 Operator : CG\JU
 Sample : N2609-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: May 02 00:58:33 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	108026	20.000	ng	-0.01
21) Naphthalene-d8	8.204	136	406784	20.000	ng	-0.01
39) Acenaphthene-d10	9.963	164	208213	20.000	ng	-0.01
64) Phenanthrene-d10	11.457	188	311329	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	229449	20.000	ng	0.00
86) Perylene-d12	15.615	264	171594	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	595242	87.765	ng	0.00
7) Phenol-d6	6.551	99	775534	88.125	ng	-0.01
23) Nitrobenzene-d5	7.486	82	559416	64.668	ng	-0.02
42) 2,4,6-Tribromophenol	10.757	330	166588	79.478	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	879044	71.423	ng	-0.01
79) Terphenyl-d14	13.045	244	714638	56.952	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.827	152	55929	3.114	ng	98
71) Phenanthrene	11.480	178	327394	20.090	ng	99
72) Anthracene	11.533	178	73502	4.528	ng	98
75) Fluoranthene	12.674	202	609337	35.526	ng	98
78) Pyrene	12.910	202	658738	35.565	ng	99
81) Benzo(a)anthracene	14.098	228	331488	21.675	ng	93
83) Chrysene	14.133	228	351103	24.039	ng	99
87) Indeno(1,2,3-cd)pyrene	17.151	276	137392	11.996	ng	94
88) Benzo(b)fluoranthene	15.168	252	347430m	32.236	ng	
89) Benzo(k)fluoranthene	15.198	252	123884m	11.409	ng	
90) Benzo(a)pyrene	15.551	252	251299	28.110	ng	99
91) Dibenzo(a,h)anthracene	17.162	278	36040m	3.923	ng	
92) Benzo(g,h,i)perylene	17.621	276	138171	14.273	ng	98

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

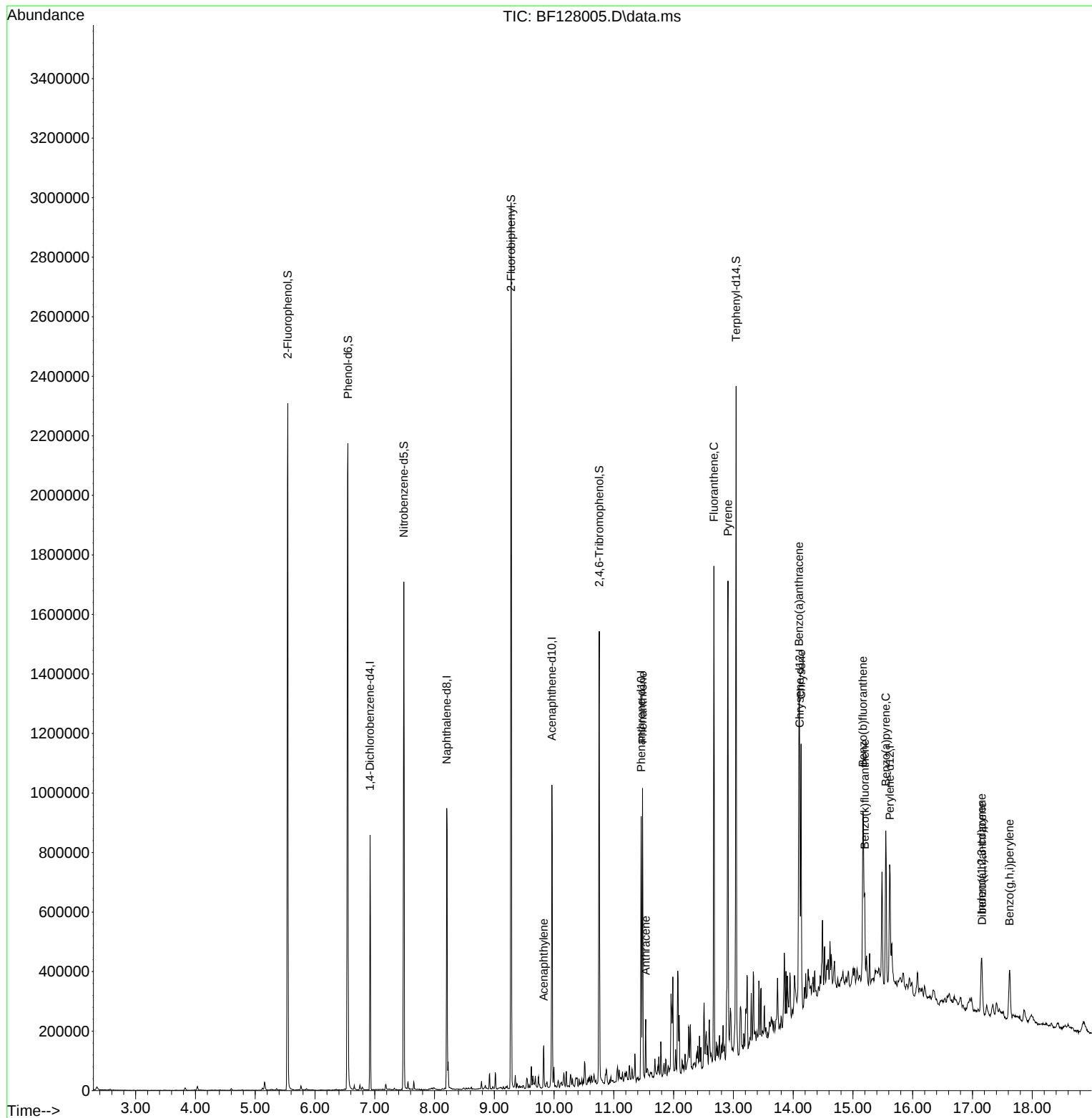
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128005.D
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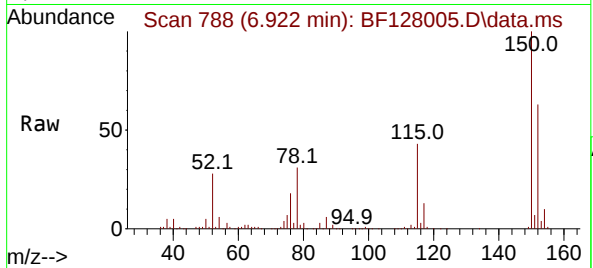
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

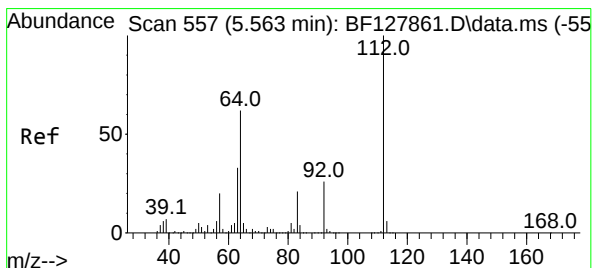
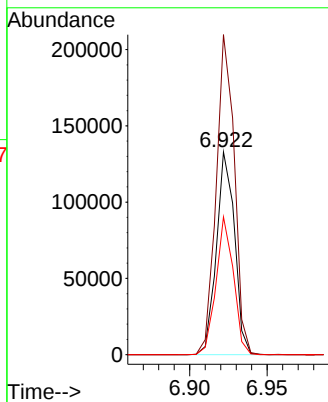
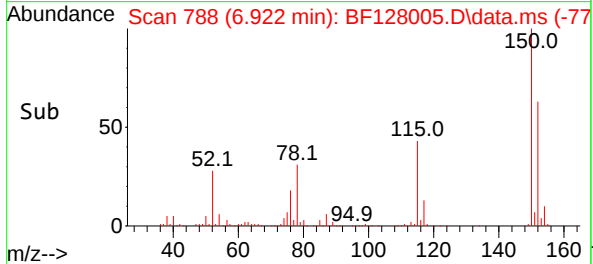
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion:152 Resp: 108020
Ion Ratio Lower Upper
152 100
150 157.9 125.3 187.9
115 68.0 48.8 73.2

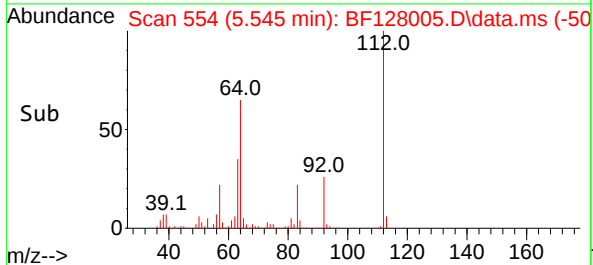
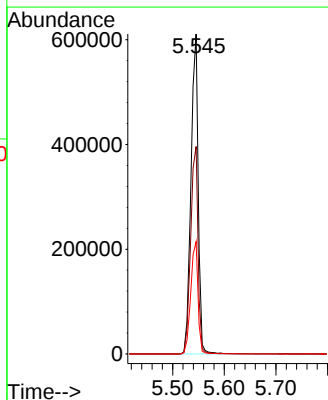
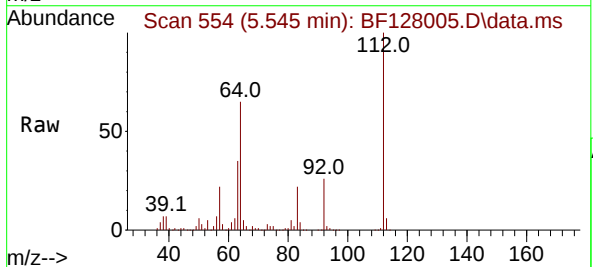
Manual Integrations
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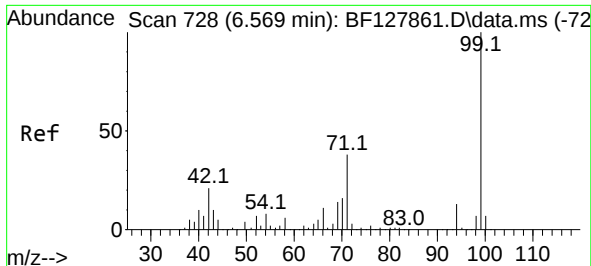
Reviewed By :Christian Giraldo 05/02/2022
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#5
2-Fluorophenol
Concen: 87.765 ng
RT: 5.545 min Scan# 554
Delta R.T. -0.006 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

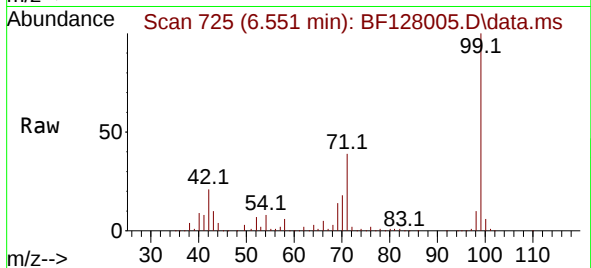
Tgt Ion:112 Resp: 595242
Ion Ratio Lower Upper
112 100
64 64.8 49.5 74.3
63 35.1 26.3 39.5





#7
Phenol-d6
Concen: 88.125 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

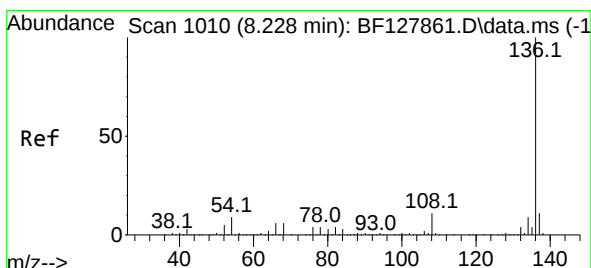
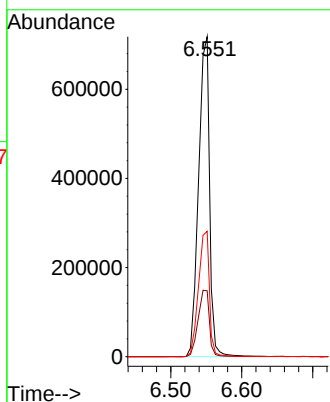
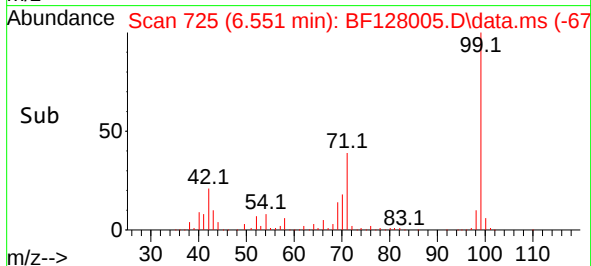
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion: 99 Resp: 775534
Ion Ratio Lower Upper
99 100
42 20.6 16.6 24.8
71 39.2 30.0 45.0

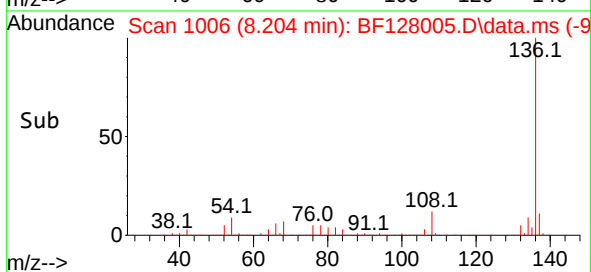
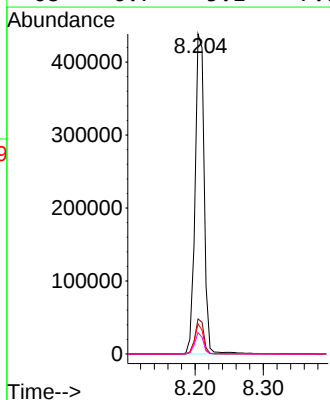
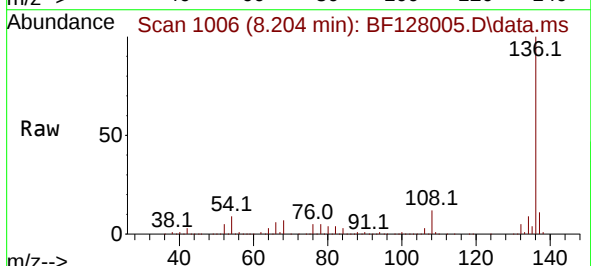
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1006
Delta R.T. -0.012 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

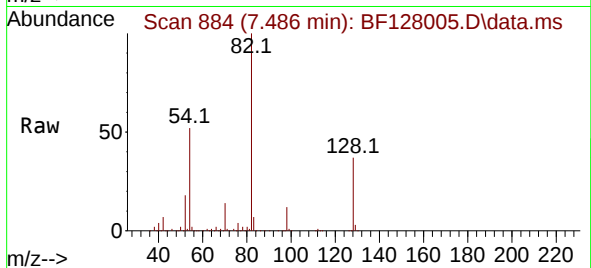
Tgt Ion:136 Resp: 406784
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.4 6.8 10.2
68 6.7 5.1 7.7





#23
Nitrobenzene-d5
Concen: 64.668 ng
RT: 7.486 min Scan# 884
Delta R.T. -0.018 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

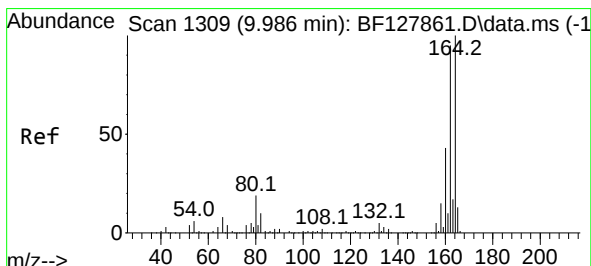
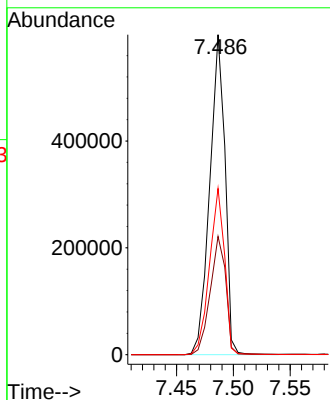
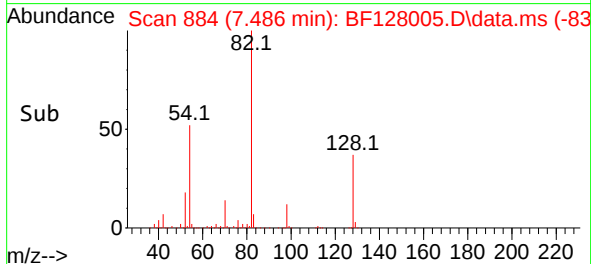
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion: 82 Resp: 559410
Ion Ratio Lower Upper
82 100
128 36.9 30.0 45.0
54 51.9 41.3 61.9

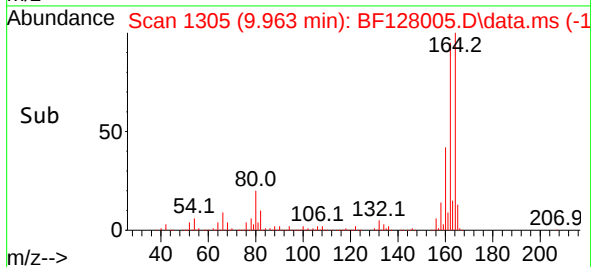
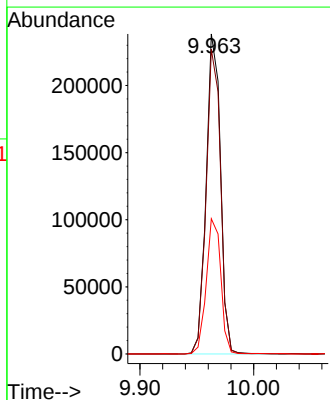
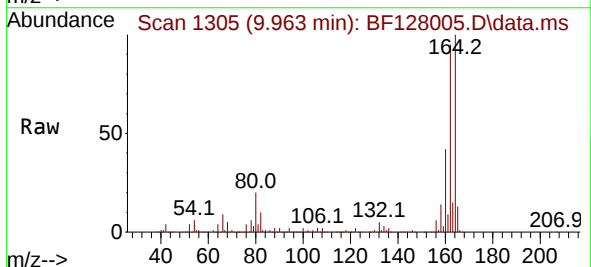
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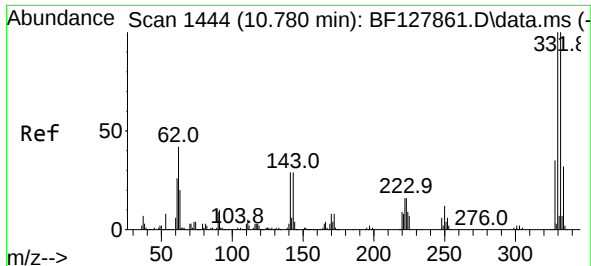
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

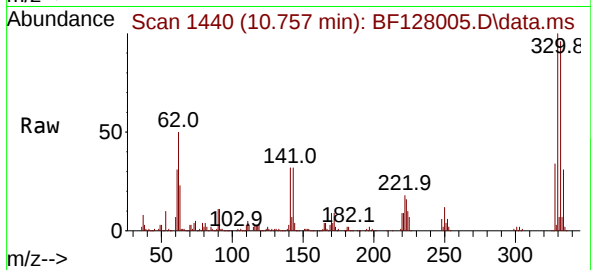
Tgt Ion:164 Resp: 208213
Ion Ratio Lower Upper
164 100
162 95.2 76.0 114.0
160 42.2 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 79.478 ng
RT: 10.757 min Scan# 1440
Delta R.T. -0.012 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

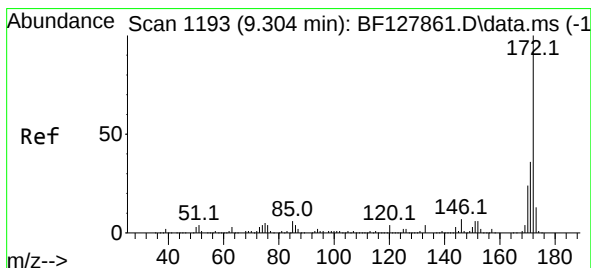
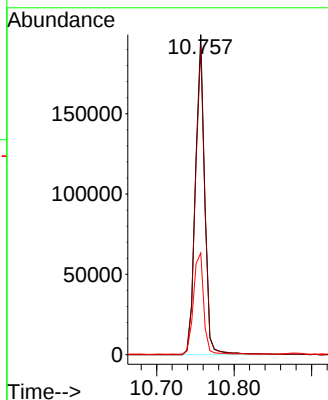
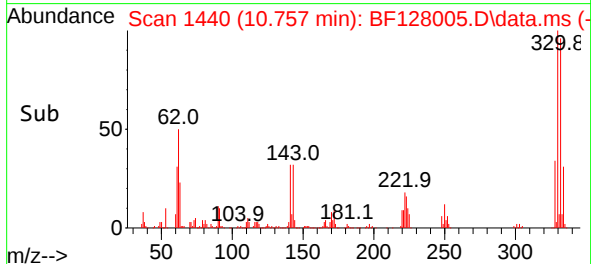
Instrument :
BNA_F
ClientSampleId :
WC-3



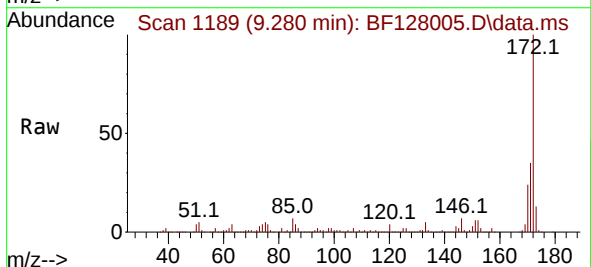
Tgt Ion:330 Resp: 166588
Ion Ratio Lower Upper
330 100
332 97.0 79.0 118.4
141 34.6 28.9 43.3

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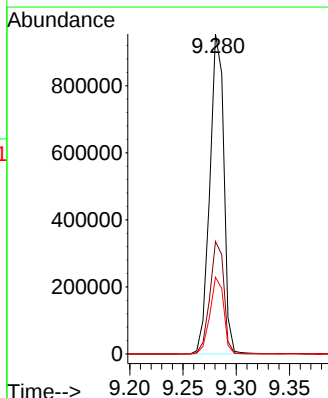
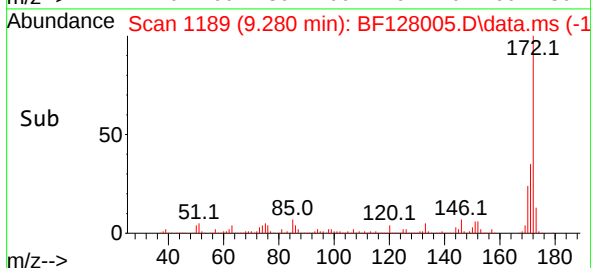
Reviewed By :Christian Giraldo 05/02/2022
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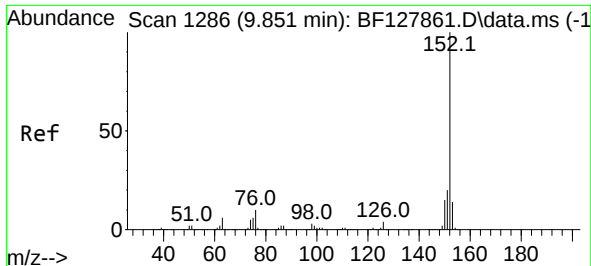


#45
2-Fluorobiphenyl
Concen: 71.423 ng
RT: 9.280 min Scan# 1189
Delta R.T. -0.012 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07



Tgt Ion:172 Resp: 879044
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 24.0 19.1 28.7





#49

Acenaphthylene

Concen: 3.114 ng

RT: 9.827 min Scan# 1559

Delta R.T. -0.012 min

Lab File: BF128005.D

Acq: 29 Apr 2022 20:07

Instrument :

BNA_F

ClientSampleId :

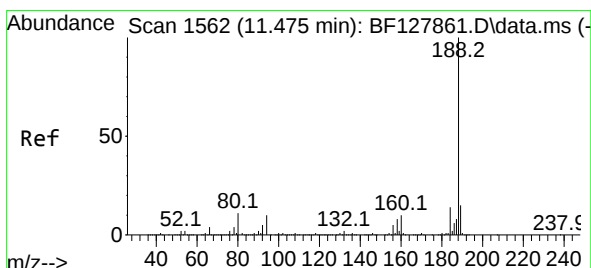
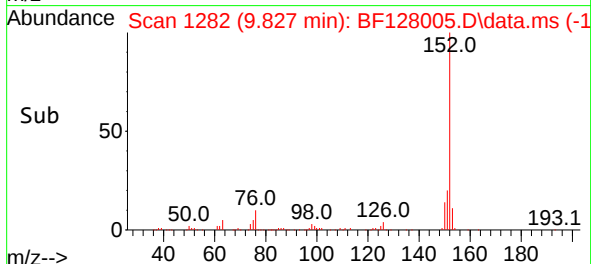
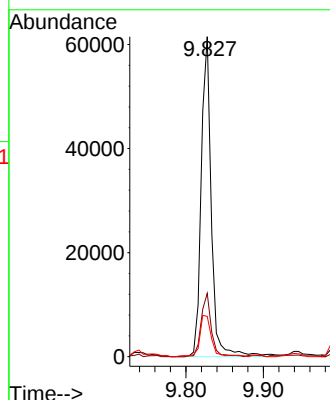
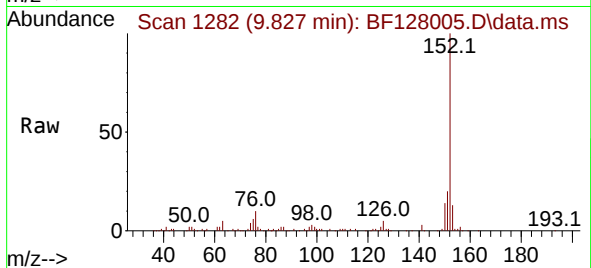
WC-3

Tgt Ion:152	Resp:	55929
Ion Ratio	Lower	Upper
152	100	
151	19.8	16.2 24.2
153	12.6	11.2 16.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/02/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

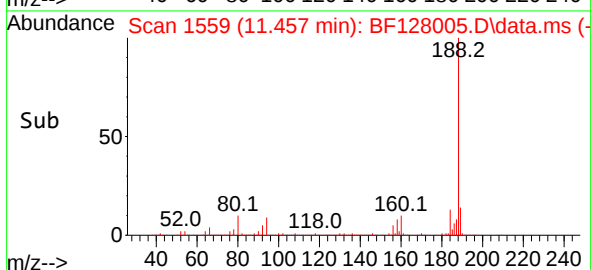
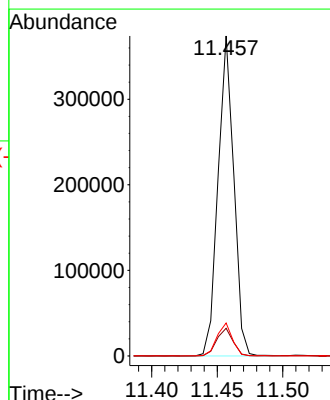
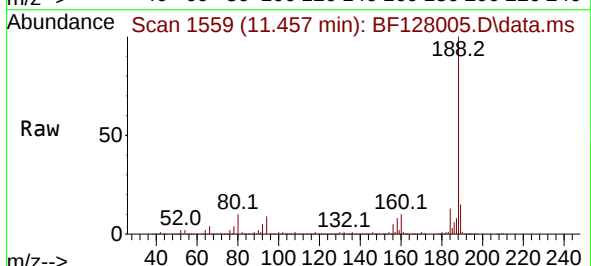
RT: 11.457 min Scan# 1559

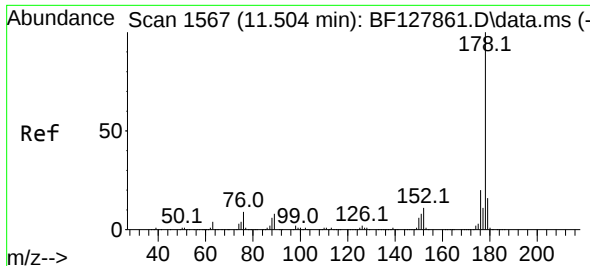
Delta R.T. -0.012 min

Lab File: BF128005.D

Acq: 29 Apr 2022 20:07

Tgt Ion:188	Resp:	311329
Ion Ratio	Lower	Upper
188	100	
94	8.7	8.0 12.0
80	10.3	8.9 13.3





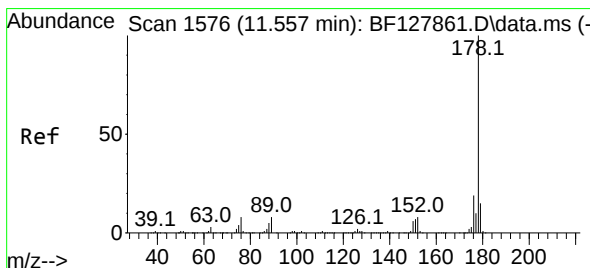
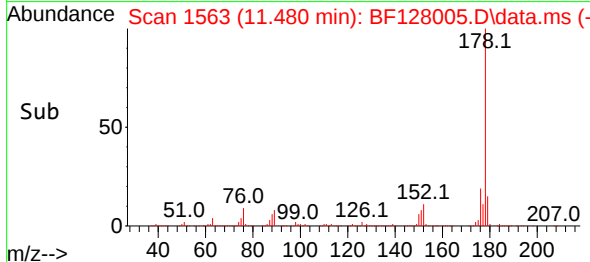
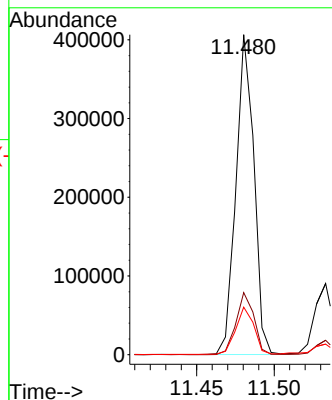
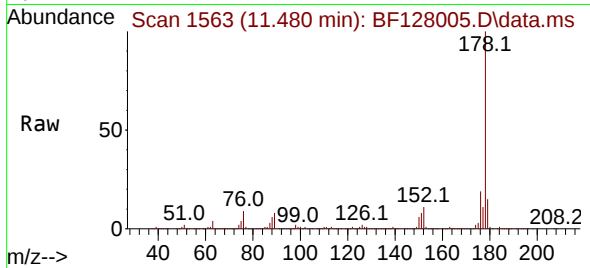
#71
Phenanthrene
Concen: 20.090 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:178 Resp: 327394
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 14.9 12.6 19.0

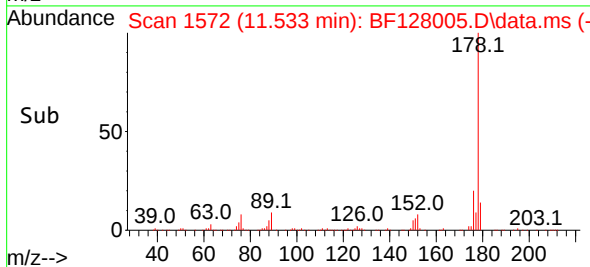
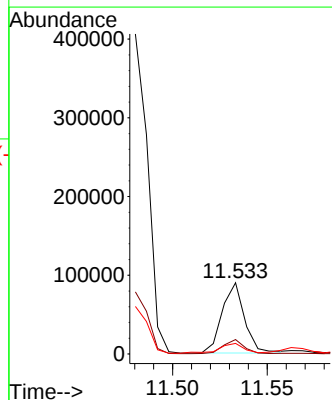
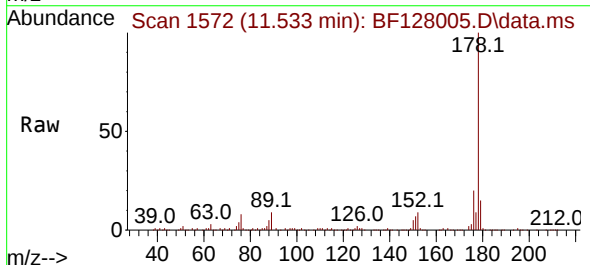
Manual Integrations
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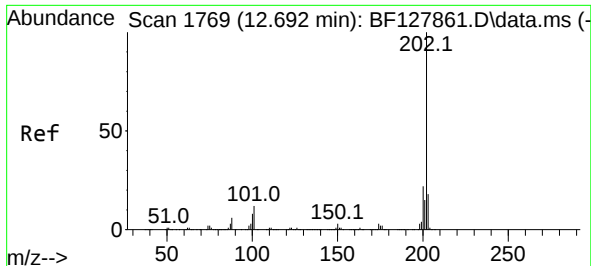
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#72
Anthracene
Concen: 4.528 ng
RT: 11.533 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

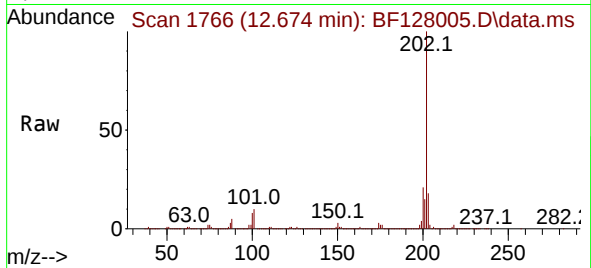
Tgt Ion:178 Resp: 73502
Ion Ratio Lower Upper
178 100
176 20.3 15.0 22.6
179 14.9 12.4 18.6





#75
Fluoranthene
Concen: 35.526 ng
RT: 12.674 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

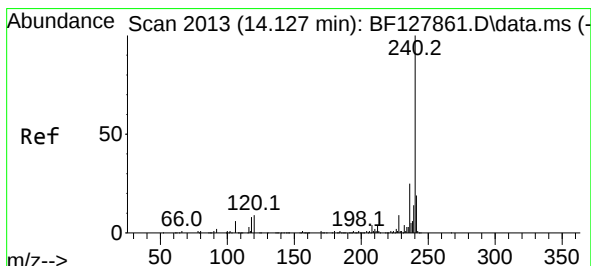
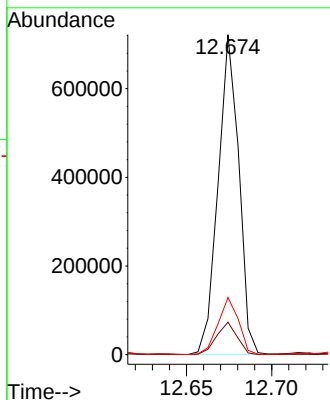
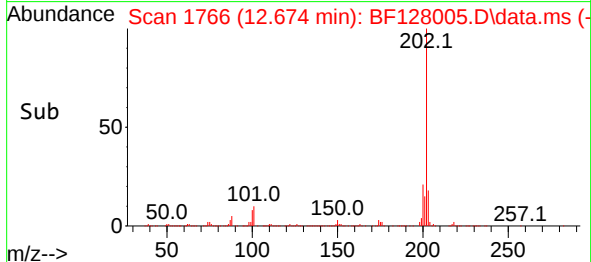
Instrument :
BNA_F
ClientSampleId :
WC-3



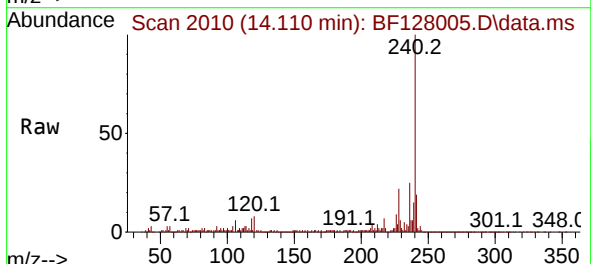
Tgt Ion:202 Resp: 60933
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.6
203 17.9 0.0 38.1

Manual Integrations
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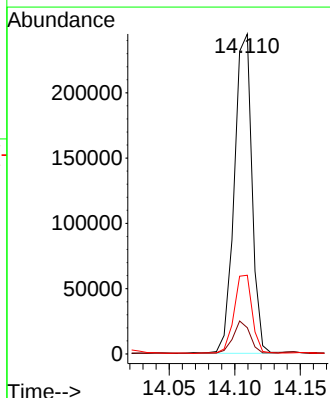
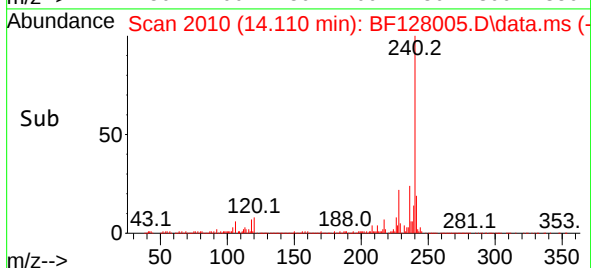
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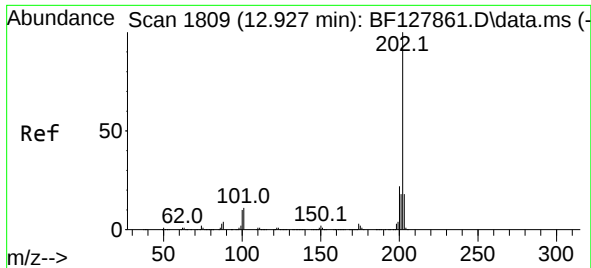


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07



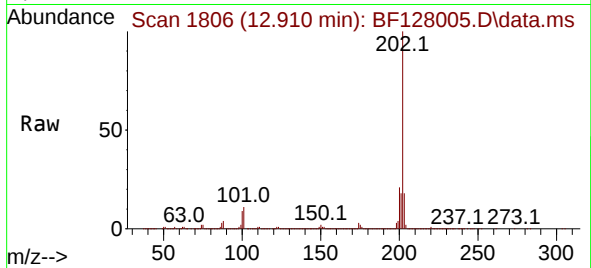
Tgt Ion:240 Resp: 229449
Ion Ratio Lower Upper
240 100
120 8.2 7.0 10.6
236 24.6 20.3 30.5





#78
Pyrene
Concen: 35.565 ng
RT: 12.910 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

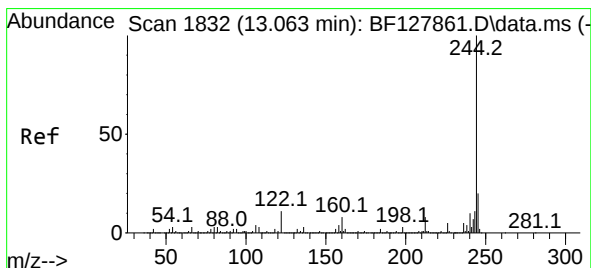
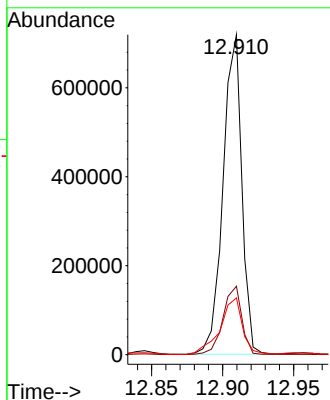
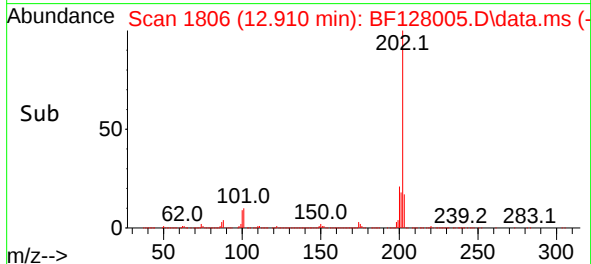
Instrument :
BNA_F
ClientSampleId :
WC-3



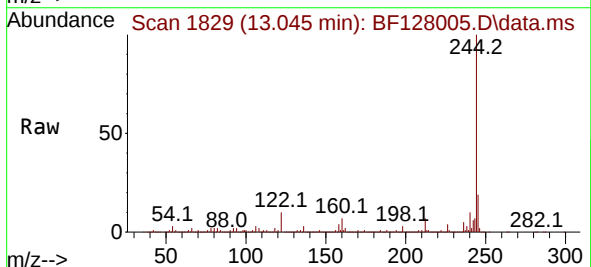
Tgt Ion:202 Resp: 658738
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 17.8 14.0 21.0

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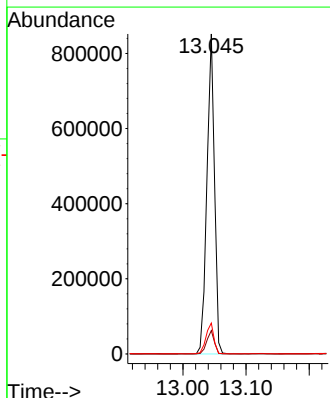
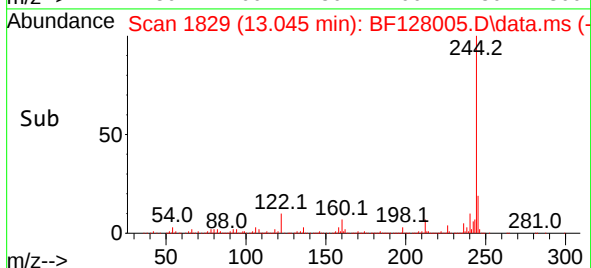
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022

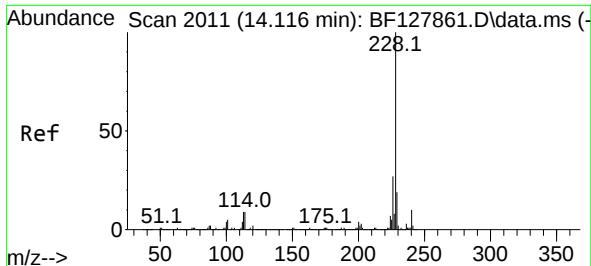


#79
Terphenyl-d14
Concen: 56.952 ng
RT: 13.045 min Scan# 1829
Delta R.T. -0.012 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07



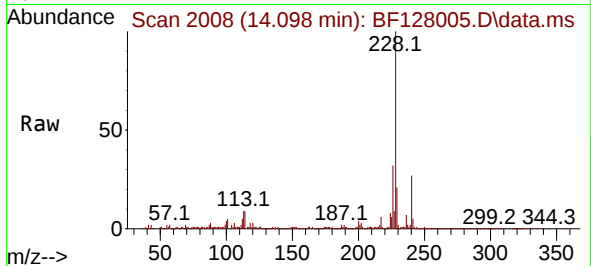
Tgt Ion:244 Resp: 714638
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.4
122 9.7 8.6 12.8





#81
Benzo(a)anthracene
Concen: 21.675 ng
RT: 14.098 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

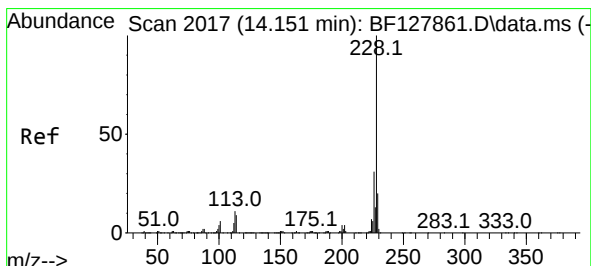
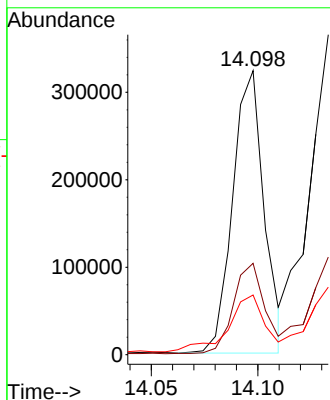
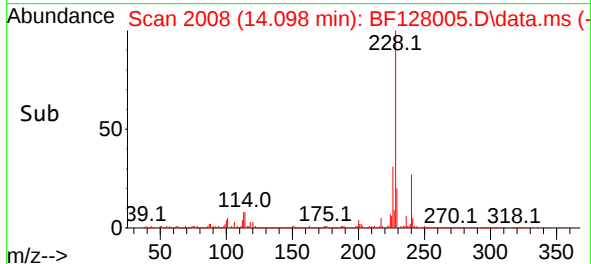
Instrument :
BNA_F
ClientSampleId :
WC-3



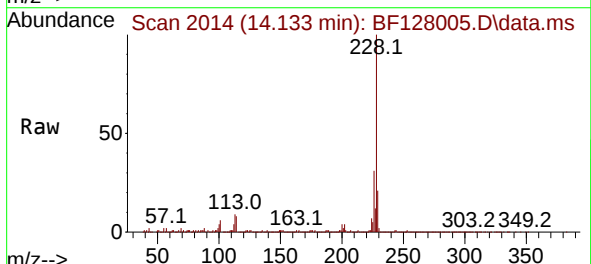
Tgt Ion:228 Resp: 331488
Ion Ratio Lower Upper
228 100
226 32.2 21.7 32.5
229 21.0 15.4 23.2

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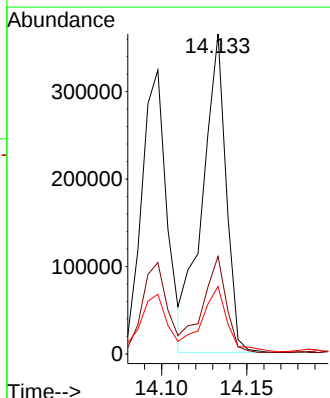
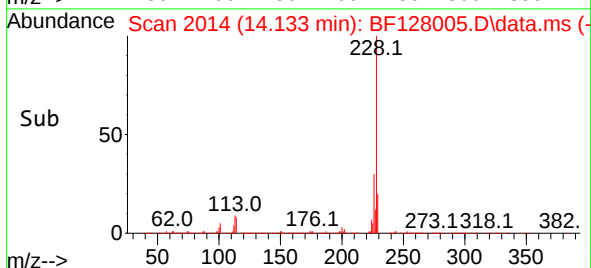
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022

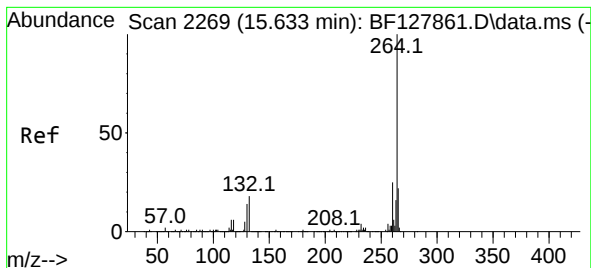


#83
Chrysene
Concen: 24.039 ng
RT: 14.133 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07



Tgt Ion:228 Resp: 351103
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 21.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.615 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128005.D

Acq: 29 Apr 2022 20:07

Instrument :

BNA_F

ClientSampleId :

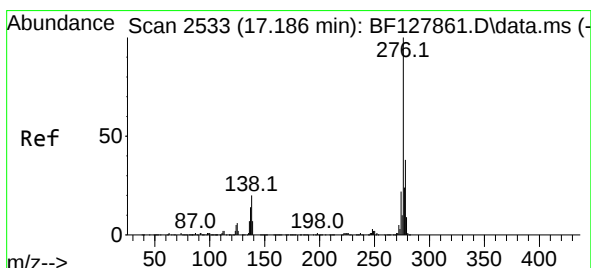
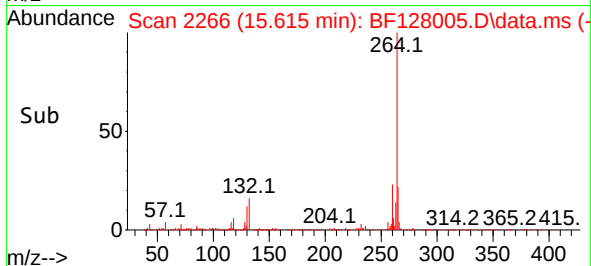
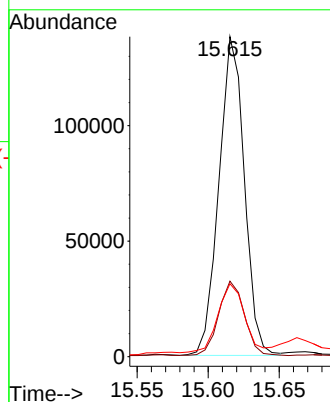
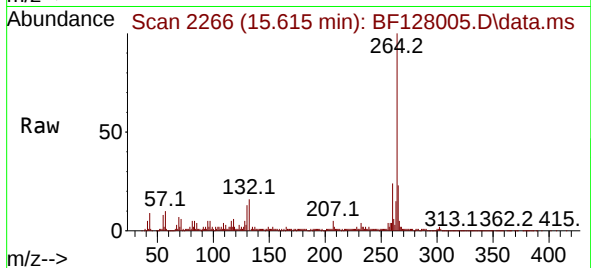
WC-3

Tgt Ion:	264	Resp:	171594
Ion Ratio	Lower	Upper	
264	100		
260	23.6	20.1	30.1
265	22.8	17.5	26.3

Manual Integrations

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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: 11.996 ng

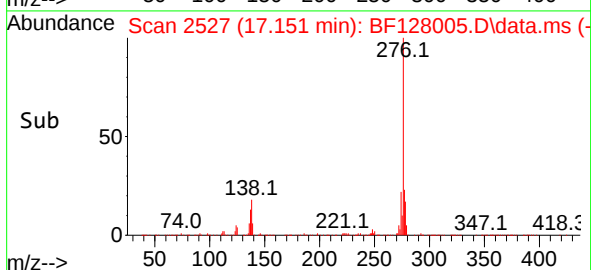
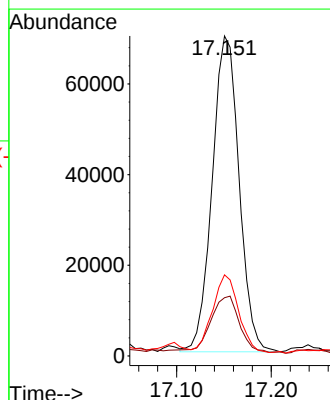
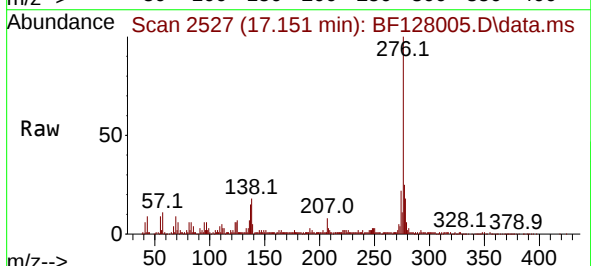
RT: 17.151 min Scan# 2527

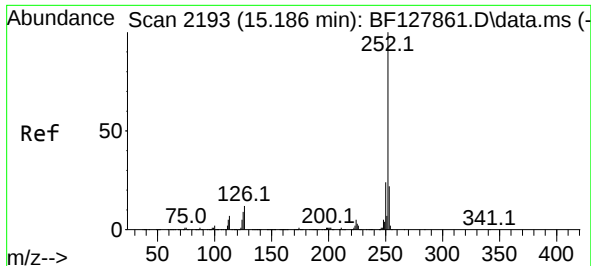
Delta R.T. -0.018 min

Lab File: BF128005.D

Acq: 29 Apr 2022 20:07

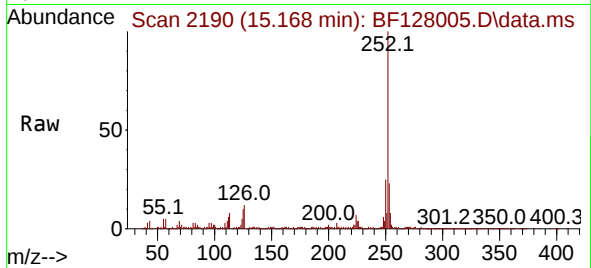
Tgt Ion:	276	Resp:	137392
Ion Ratio	Lower	Upper	
276	100		
138	19.8	19.0	28.4
277	23.5	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 32.236 ng m
RT: 15.168 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

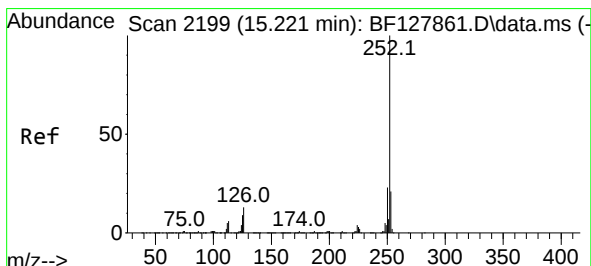
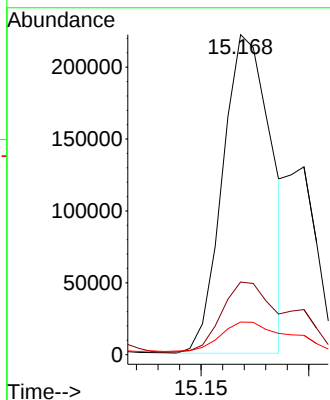
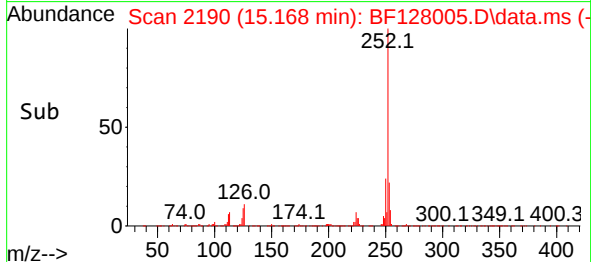
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion:252 Resp: 347430
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 10.2 7.4 11.2

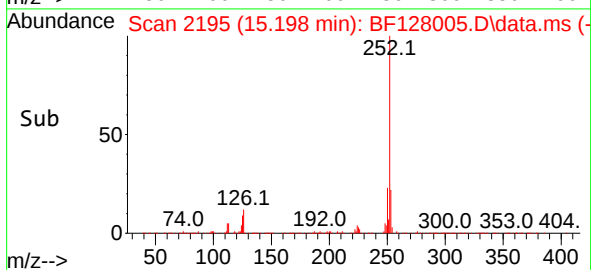
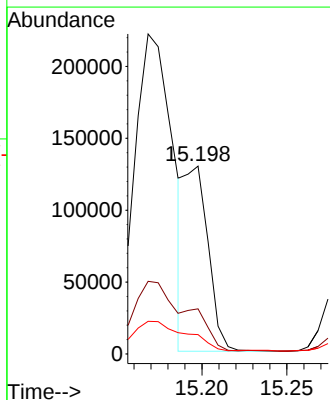
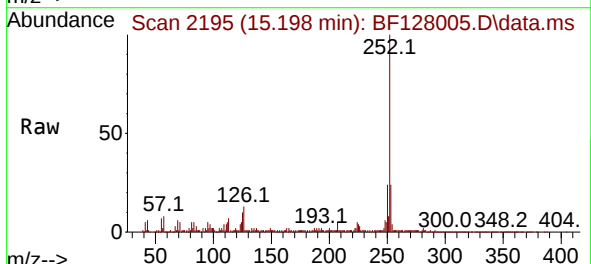
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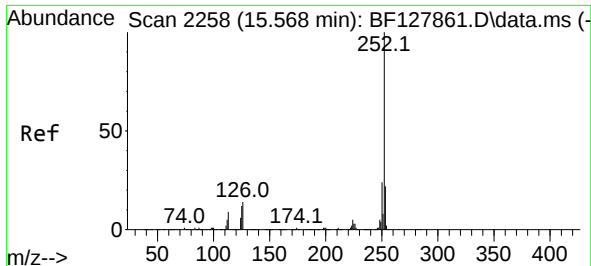
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#89
Benzo(k)fluoranthene
Concen: 11.409 ng m
RT: 15.198 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

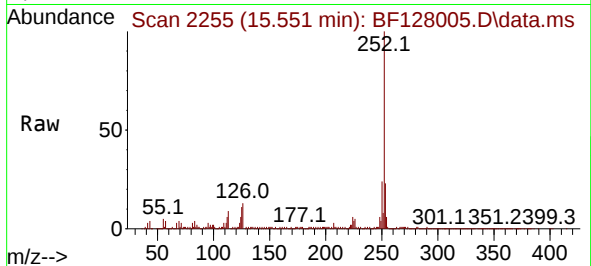
Tgt Ion:252 Resp: 123884
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.4
125 10.3 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 28.110 ng
RT: 15.551 min Scan# 25129
Delta R.T. -0.006 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

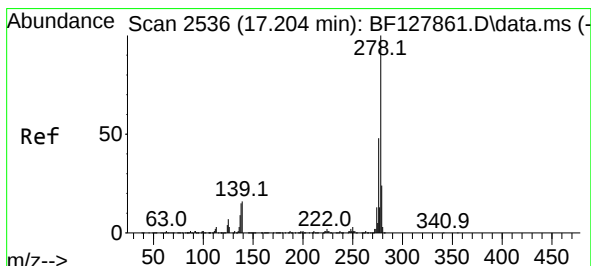
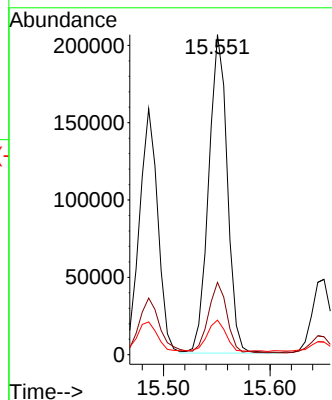
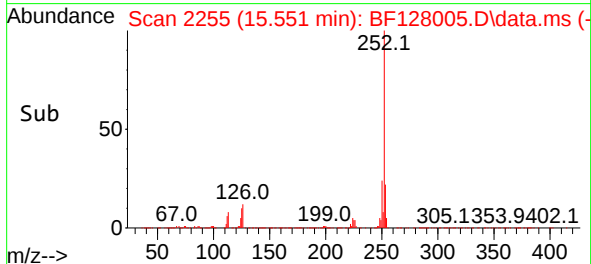
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion:252 Resp: 251299
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 10.8 9.2 13.8

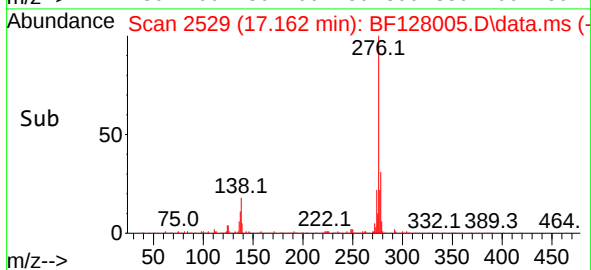
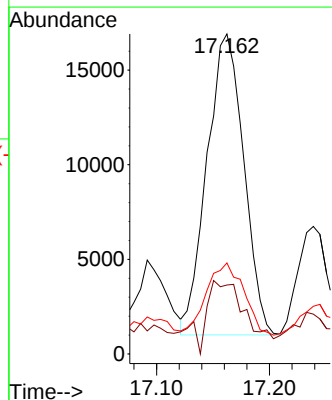
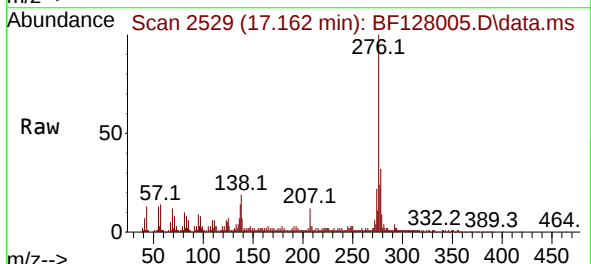
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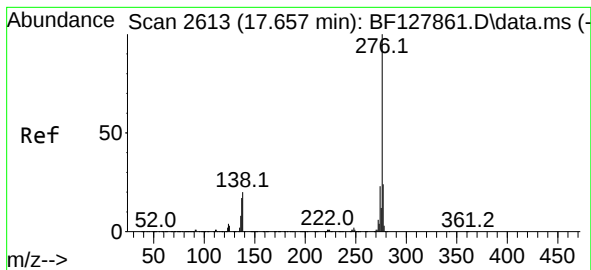
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.923 ng m
RT: 17.162 min Scan# 2529
Delta R.T. -0.024 min
Lab File: BF128005.D
Acq: 29 Apr 2022 20:07

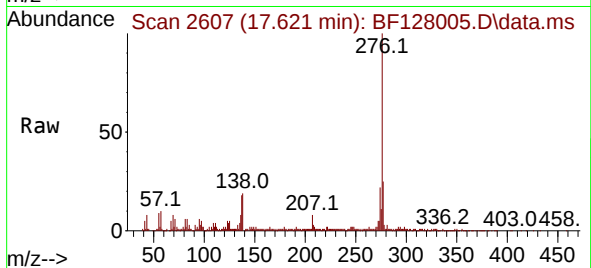
Tgt Ion:278 Resp: 36040
Ion Ratio Lower Upper
278 100
139 21.6 12.6 19.0#
279 28.4 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 14.273 ng
 RT: 17.621 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF128005.D
 Acq: 29 Apr 2022 20:07

Instrument :
 BNA_F
 ClientSampleId :
 WC-3



Tgt Ion:276 Resp: 13817
 Ion Ratio Lower Upper
 276 100
 277 24.5 18.8 28.2
 138 19.1 16.2 24.2

Manual Integrations
 APPROVED

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

