

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
 Data File : BF128158.D
 Acq On : 10 May 2022 13:58
 Operator : CG\JU
 Sample : N2749-10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/11/2022
 Supervised By : Jagrut Upadhyay 05/11/2022

Quant Time: May 11 03:59:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 15:30:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	83019	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	321668	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	184423	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	339142	20.000	ng	0.00
76) Chrysene-d12	14.068	240	226124	20.000	ng	-0.01
86) Perylene-d12	15.568	264	190107	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	505940	97.151	ng	0.00
7) Phenol-d6	6.522	99	672136	97.579	ng	0.00
23) Nitrobenzene-d5	7.457	82	479122	67.022	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	201198	95.124	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	755904	64.133	ng	0.00
79) Terphenyl-d14	13.010	244	806491	66.924	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	42835	2.537	ng	99
75) Fluoranthene	12.639	202	61769	3.374	ng	98
78) Pyrene	12.869	202	82872	5.054	ng	99
81) Benzo(a)anthracene	14.057	228	33860	2.344	ng	# 87
83) Chrysene	14.092	228	40216	2.918	ng	# 95
88) Benzo(b)fluoranthene	15.121	252	40078m	3.401	ng	
90) Benzo(a)pyrene	15.498	252	28299	2.974	ng	98
92) Benzo(g,h,i)perylene	17.539	276	25740	2.731	ng	95

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

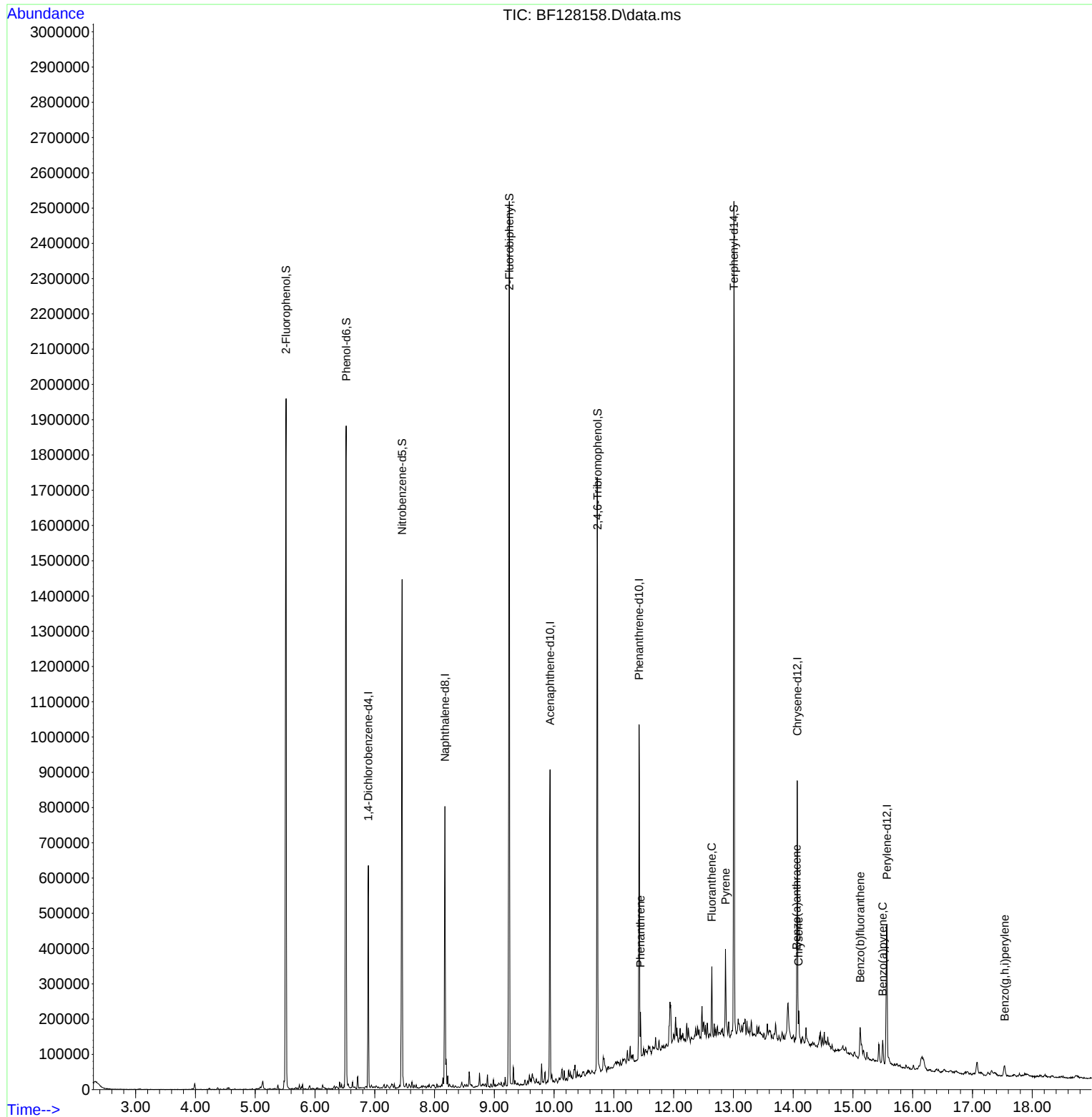
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
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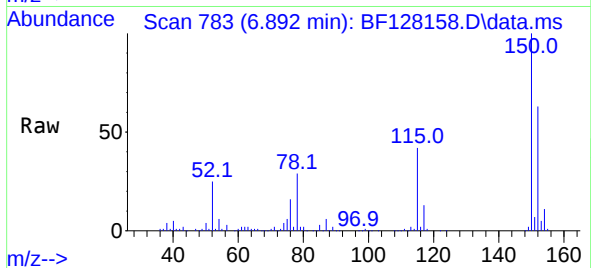
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 783
Delta R.T. 0.000 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

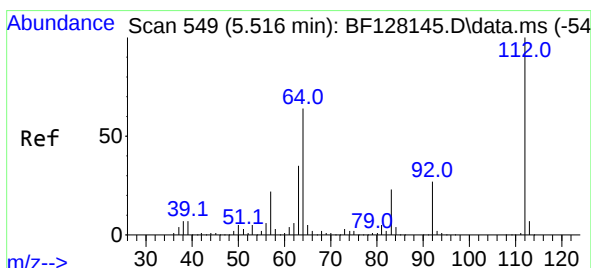
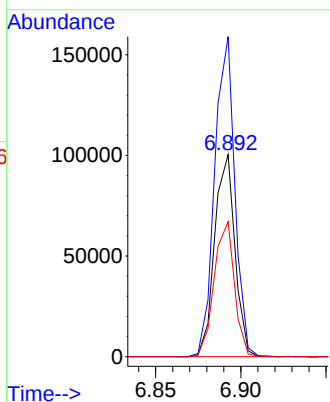
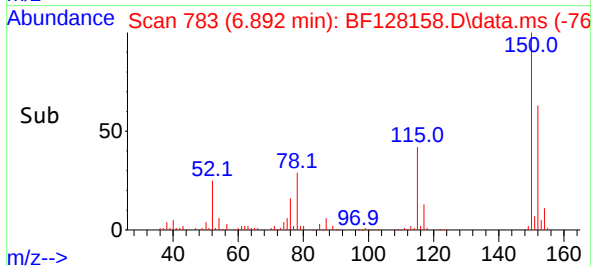
Instrument :
BNA_F
ClientSampleId :
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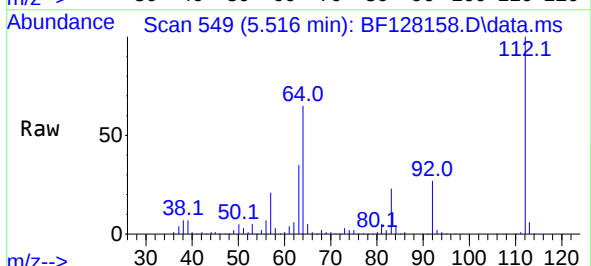
Tgt Ion:152 Resp: 83019
Ion Ratio Lower Upper
152 100
150 158.3 125.3 187.9
115 66.9 48.8 73.2

Manual Integrations
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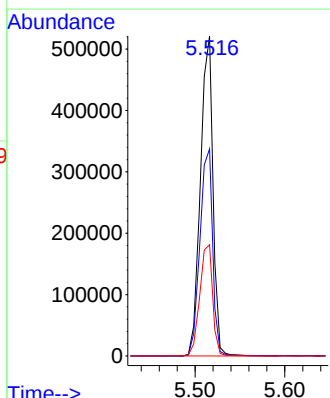
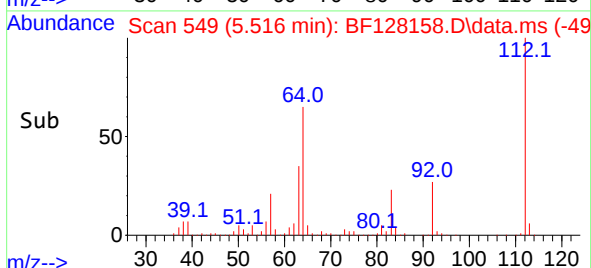
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

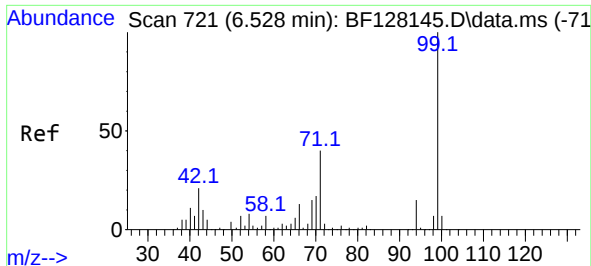


#5
2-Fluorophenol
Concen: 97.151 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.000 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58



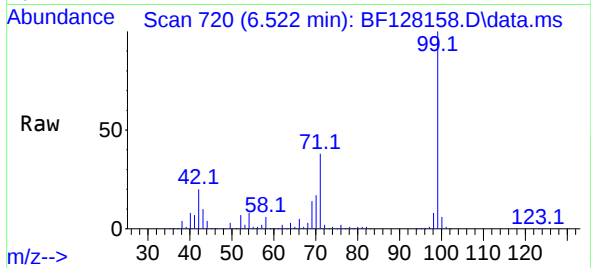
Tgt Ion:112 Resp: 505940
Ion Ratio Lower Upper
112 100
64 64.7 49.5 74.3
63 34.7 26.3 39.5





#7
Phenol-d6
Concen: 97.579 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

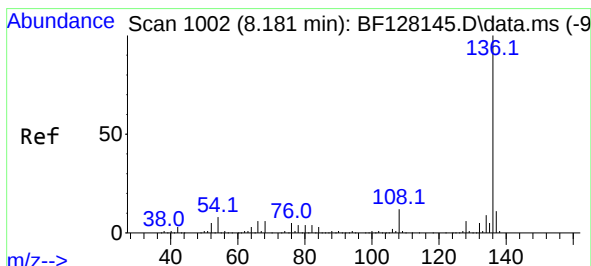
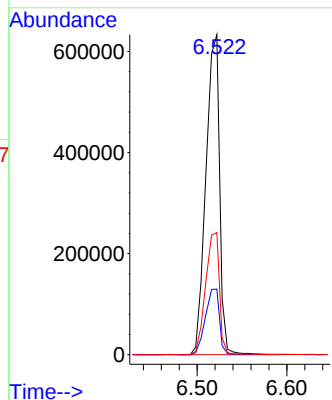
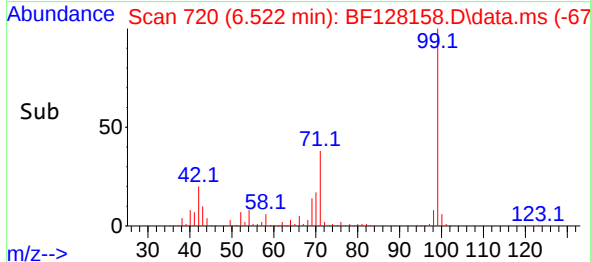
Instrument :
BNA_F
ClientSampleId :
TP-4



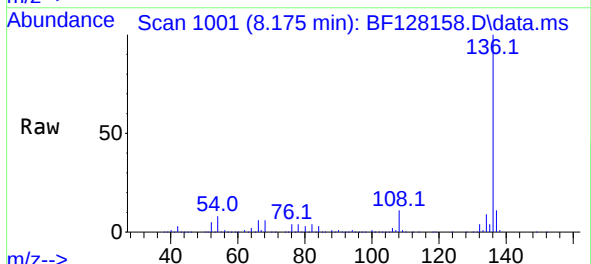
Tgt Ion: 99 Resp: 672130
Ion Ratio Lower Upper
99 100
42 20.5 16.6 24.8
71 38.1 30.0 45.0

Manual Integrations
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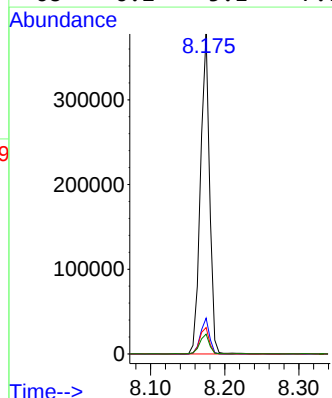
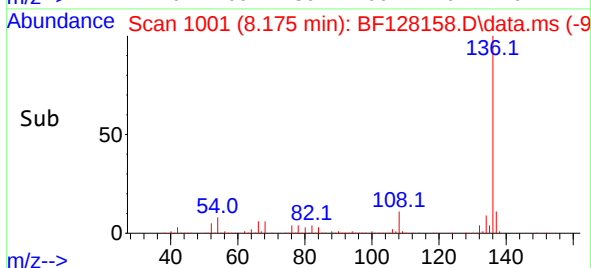
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58



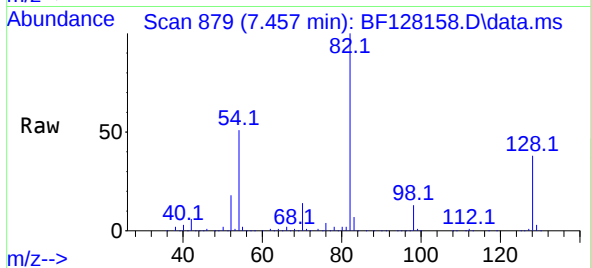
Tgt Ion:136 Resp: 321668
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.2 6.8 10.2
68 6.2 5.1 7.7





#23
Nitrobenzene-d5
Concen: 67.022 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

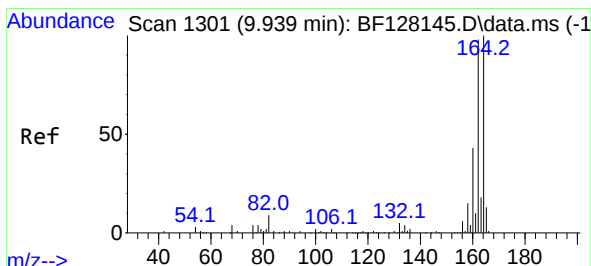
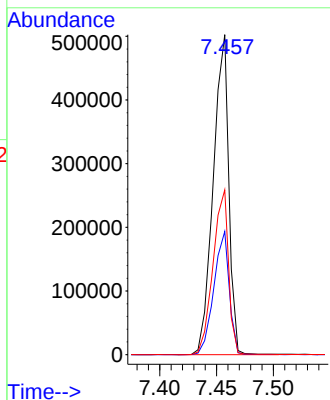
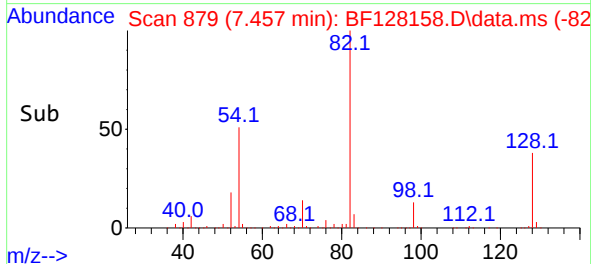
Instrument :
BNA_F
ClientSampleId :
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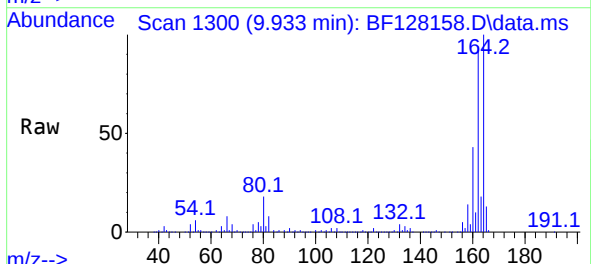
Tgt Ion: 82 Resp: 47912
Ion Ratio Lower Upper
82 100
128 38.5 30.0 45.0
54 51.5 41.3 61.9

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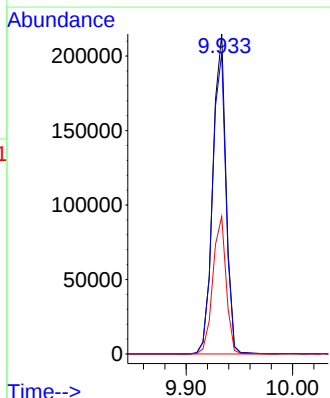
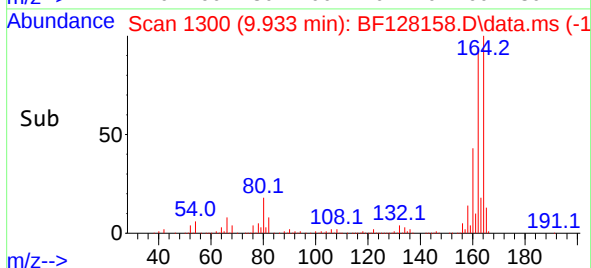
Reviewed By :Christian Giraldo 05/11/2022
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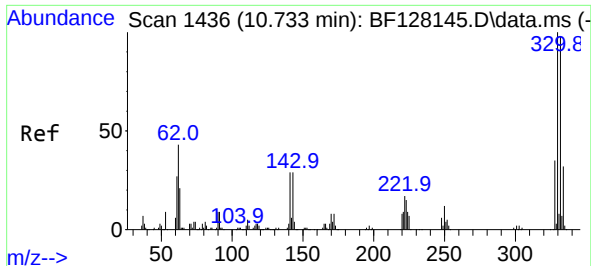


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58



Tgt Ion:164 Resp: 184423
Ion Ratio Lower Upper
164 100
162 93.9 76.0 114.0
160 43.0 34.8 52.2





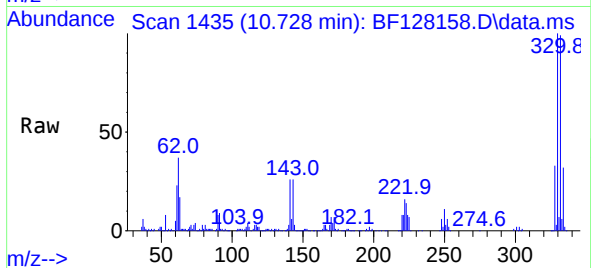
#42
2,4,6-Tribromophenol
Concen: 95.124 ng
RT: 10.728 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

Instrument :

BNA_F

ClientSampleId :

TP-4

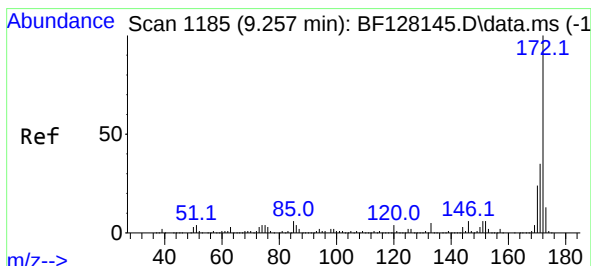
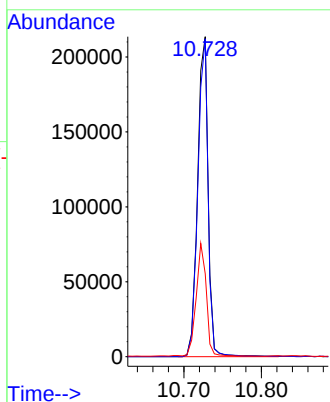
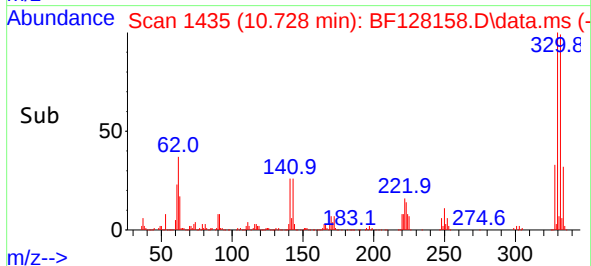


Tgt Ion:330 Resp: 201198
Ion Ratio Lower Upper
330 100
332 96.0 79.0 118.4
141 34.4 28.9 43.3

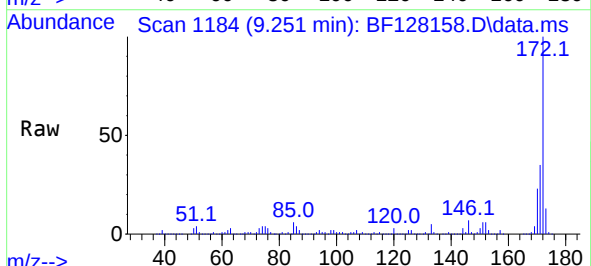
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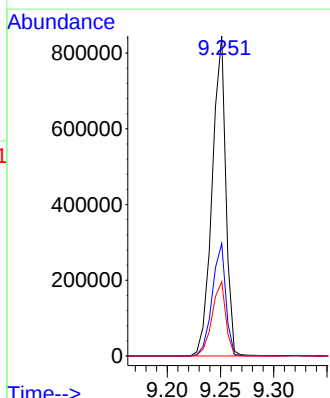
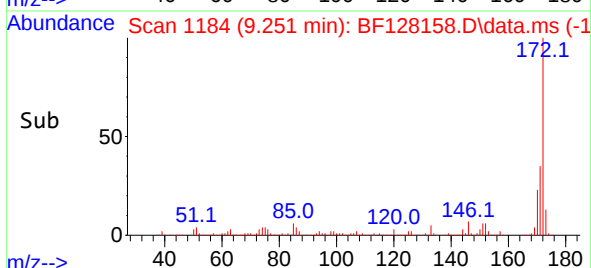
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#45
2-Fluorobiphenyl
Concen: 64.133 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58



Tgt Ion:172 Resp: 755904
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.2 19.1 28.7





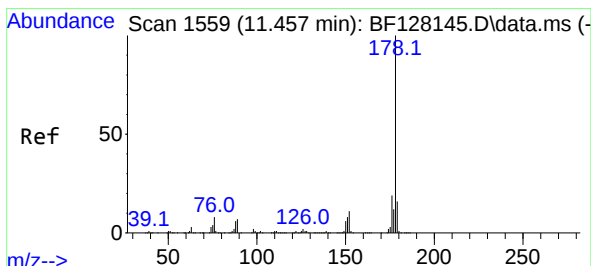
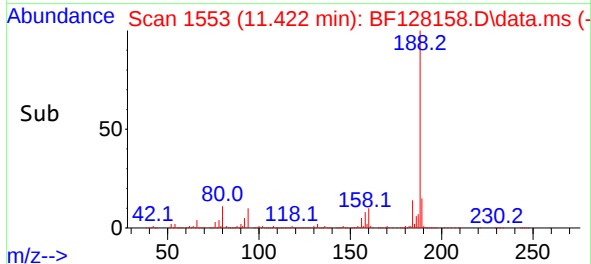
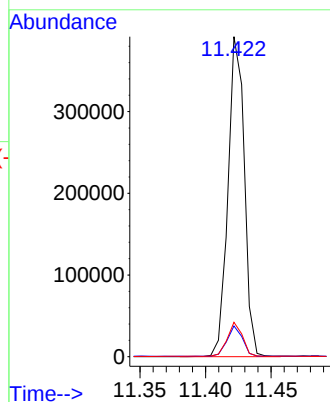
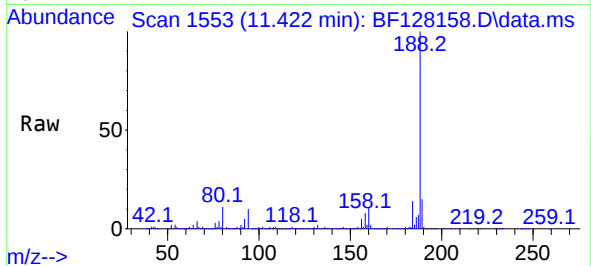
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:188 Resp: 33914
Ion Ratio Lower Upper
188 100
94 9.6 8.0 12.0
80 10.8 8.9 13.3

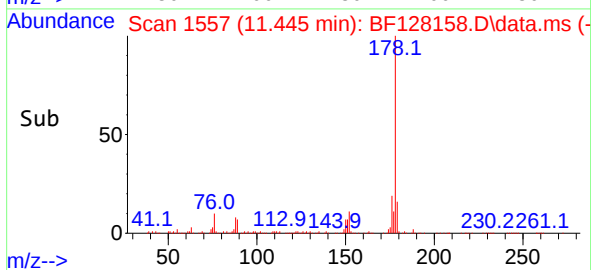
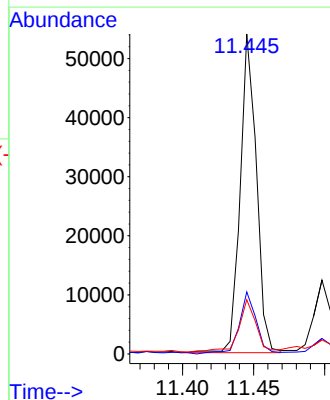
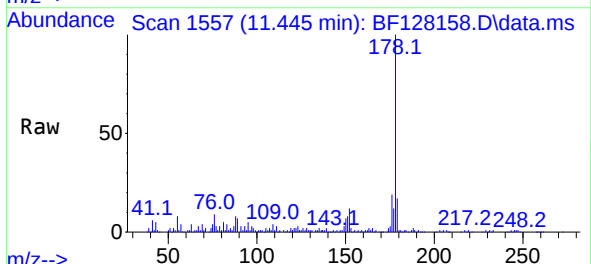
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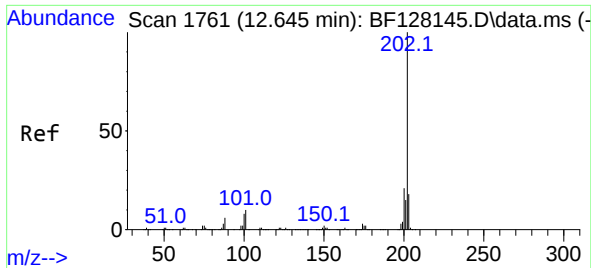
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#71
Phenanthrene
Concen: 2.537 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.012 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

Tgt Ion:178 Resp: 42835
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 17.0 12.6 19.0





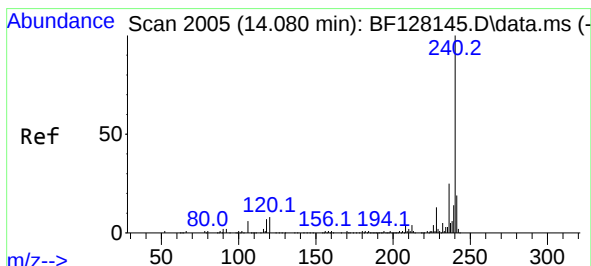
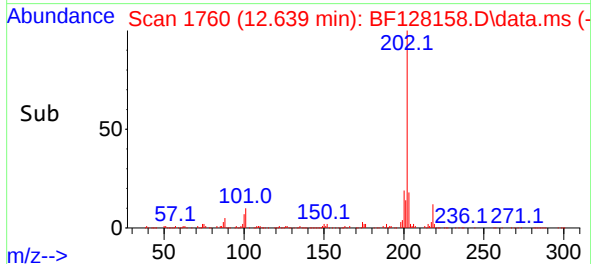
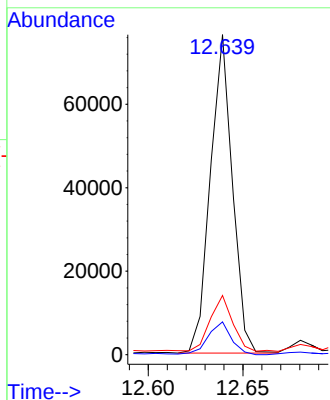
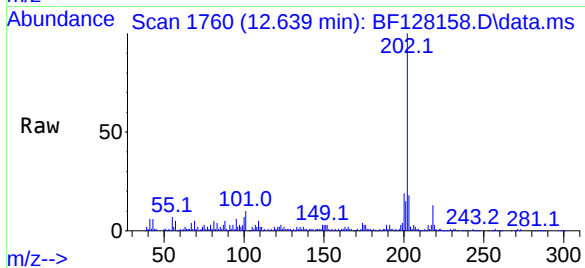
#75
Fluoranthene
Concen: 3.374 ng
RT: 12.639 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:202 Resp: 61769
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.6
203 18.5 0.0 38.1

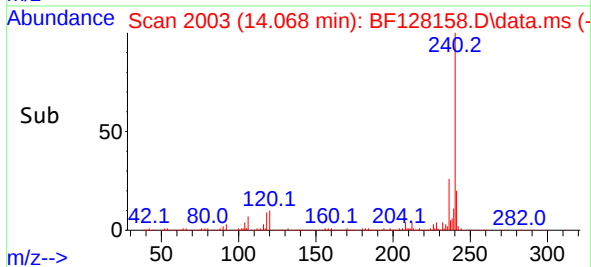
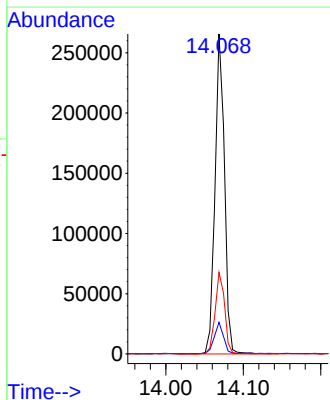
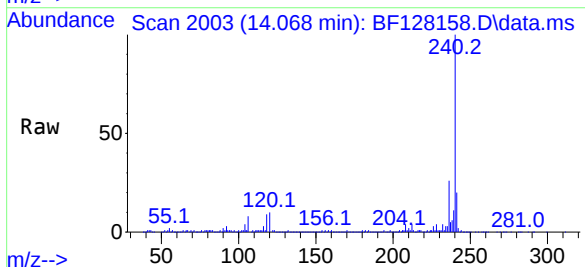
Manual Integrations
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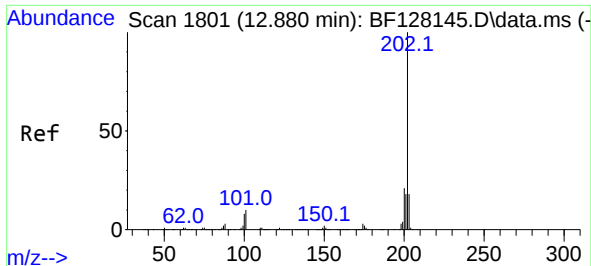
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

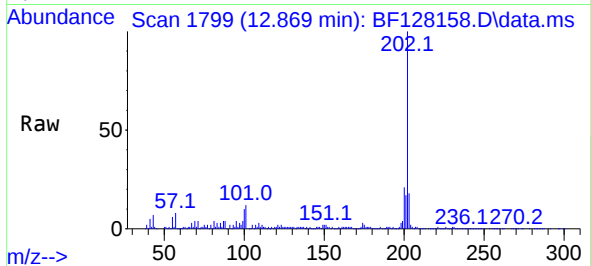
Tgt Ion:240 Resp: 226124
Ion Ratio Lower Upper
240 100
120 9.9 7.0 10.6
236 25.5 20.3 30.5





#78
Pyrene
Concen: 5.054 ng
RT: 12.869 min Scan# 1799
Delta R.T. -0.012 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

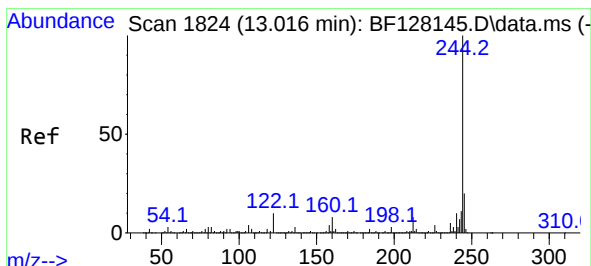
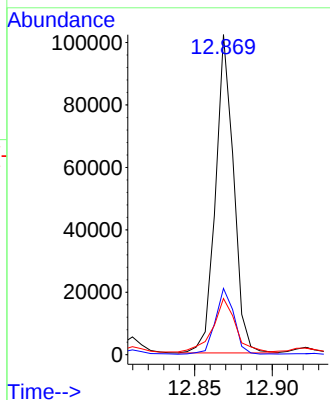
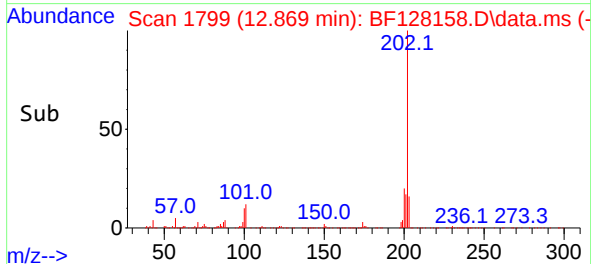
Instrument :
BNA_F
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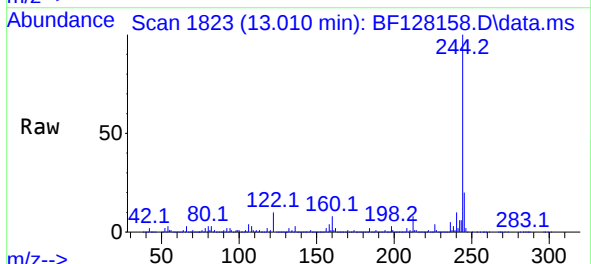
Tgt Ion:202 Resp: 82872
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.6 14.0 21.0

Manual Integrations
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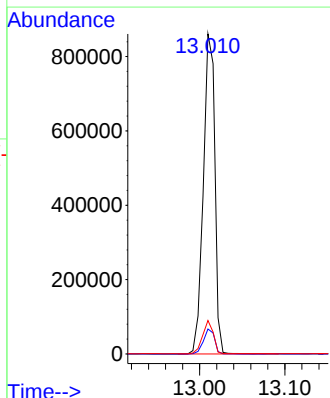
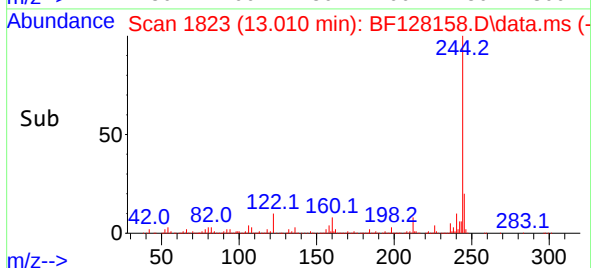
Reviewed By :Christian Giraldo 05/11/2022
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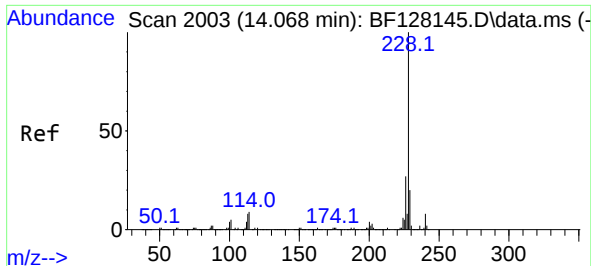


#79
Terphenyl-d14
Concen: 66.924 ng
RT: 13.010 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58



Tgt Ion:244 Resp: 806491
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.4
122 10.4 8.6 12.8





#81

Benzo(a)anthracene

Concen: 2.344 ng

RT: 14.057 min Scan# 2001

Delta R.T. -0.012 min

Lab File: BF128158.D

Acq: 10 May 2022 13:58

Instrument :

BNA_F

ClientSampleId :

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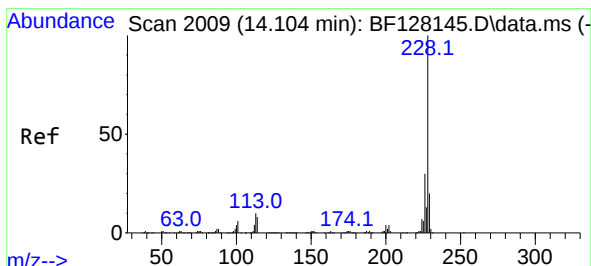
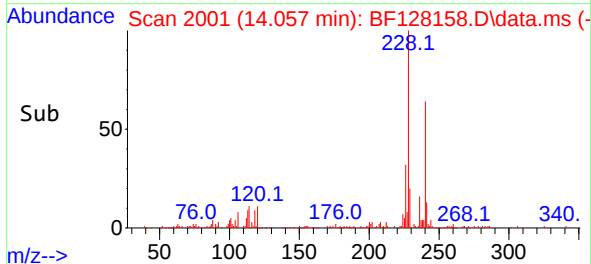
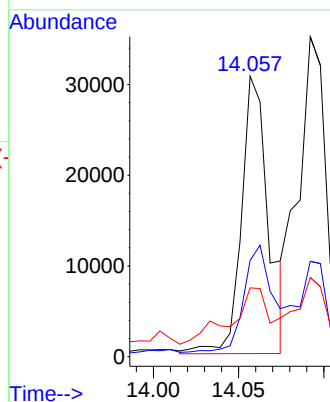
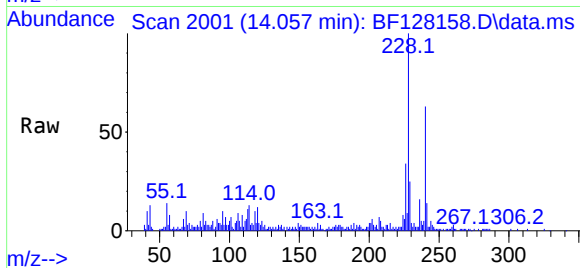
Tgt Ion:228	Resp:	33860
Ion Ratio	Lower	Upper
228	100	
226	34.3	21.7 32.5
229	24.5	15.4 23.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/11/2022

Supervised By :Jagrut Upadhyay 05/11/2022



#83

Chrysene

Concen: 2.918 ng

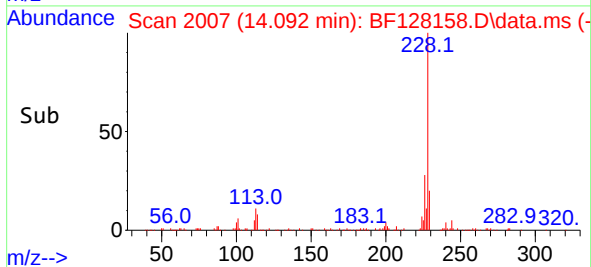
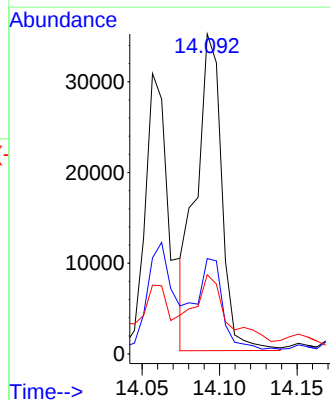
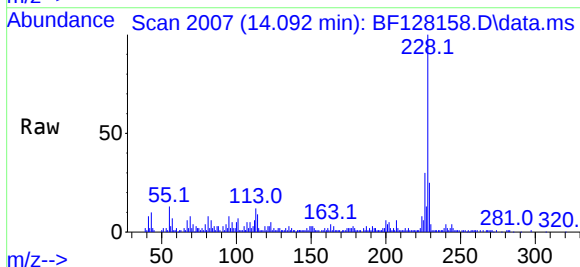
RT: 14.092 min Scan# 2007

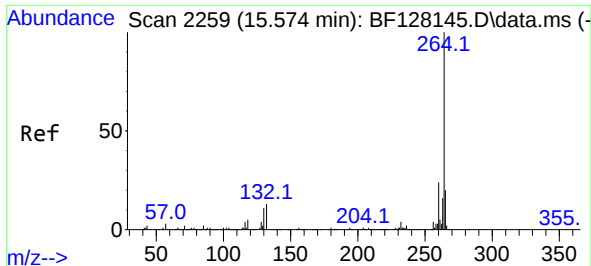
Delta R.T. -0.012 min

Lab File: BF128158.D

Acq: 10 May 2022 13:58

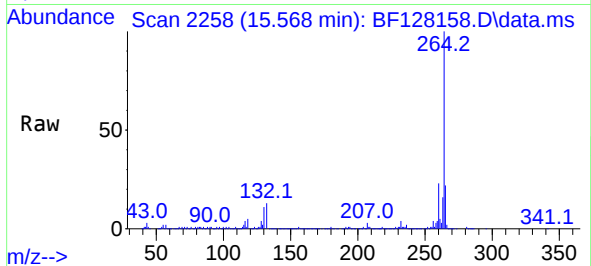
Tgt Ion:228	Resp:	40216
Ion Ratio	Lower	Upper
228	100	
226	29.8	24.4 36.6
229	24.7	15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

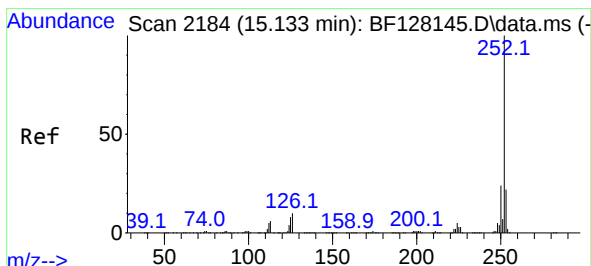
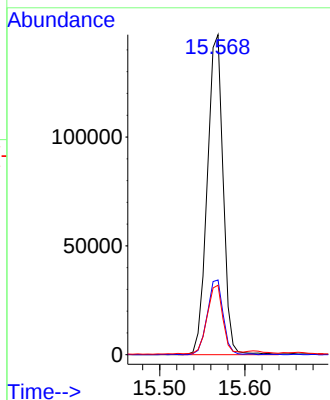
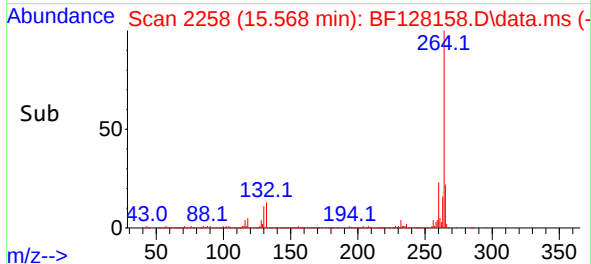
Instrument :
BNA_F
ClientSampleId :
TP-4



Tgt Ion:264 Resp: 19010
Ion Ratio Lower Upper
264 100
260 23.4 20.1 30.1
265 21.7 17.5 26.3

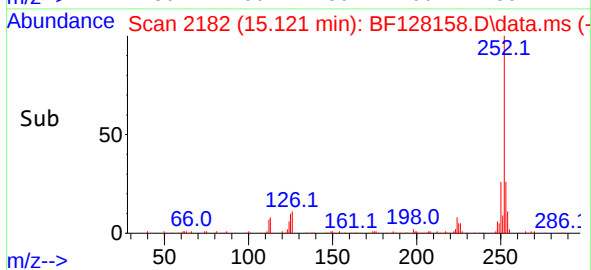
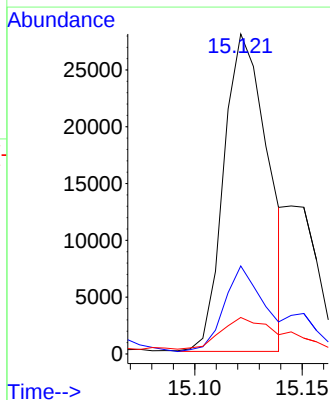
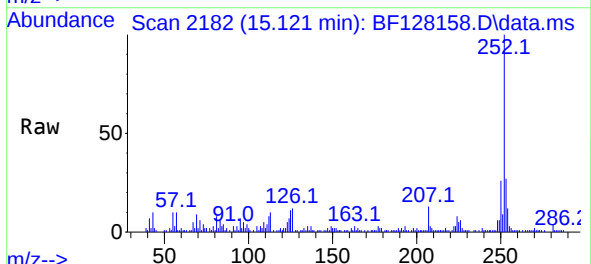
Manual Integrations
APPROVED

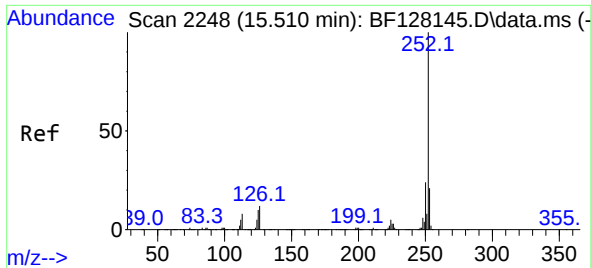
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#88
Benzo(b)fluoranthene
Concen: 3.401 ng m
RT: 15.121 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

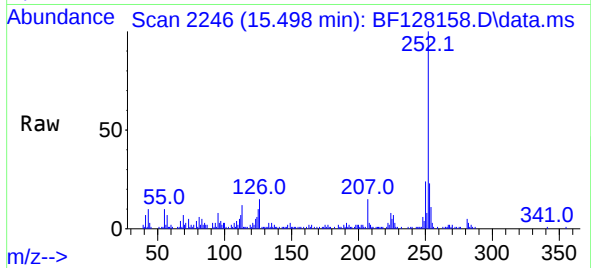
Tgt Ion:252 Resp: 40078
Ion Ratio Lower Upper
252 100
253 27.5 17.4 26.2#
125 11.4 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 2.974 ng
RT: 15.498 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

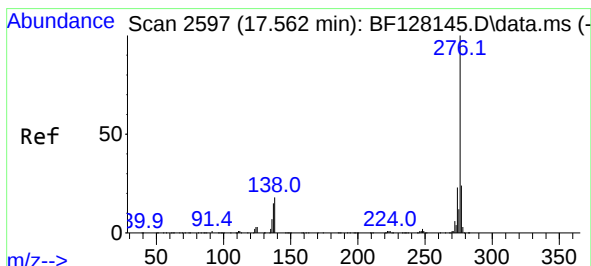
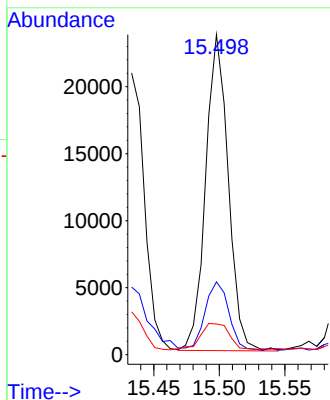
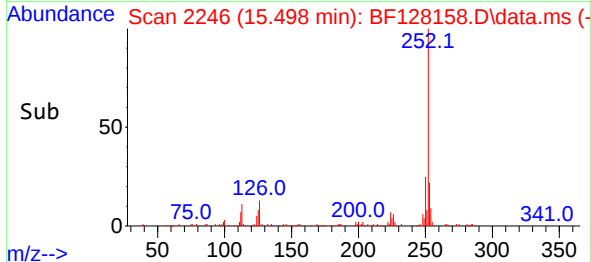
Instrument :
BNA_F
ClientSampleId :
TP-4



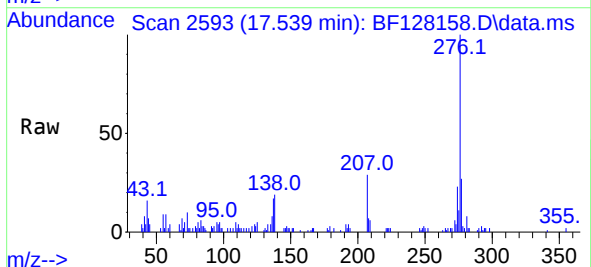
Tgt Ion:252 Resp: 28299
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 9.6 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#92
Benzo(g,h,i)perylene
Concen: 2.731 ng
RT: 17.539 min Scan# 2593
Delta R.T. -0.024 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58



Tgt Ion:276 Resp: 25740
Ion Ratio Lower Upper
276 100
277 27.2 18.8 28.2
138 18.9 16.2 24.2

