

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
 Data File : BF128051.D
 Acq On : 03 May 2022 17:46
 Operator : CG\JU
 Sample : N2647-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 357

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/04/2022
 Supervised By : Jagrut Upadhyay 05/04/2022

Quant Time: May 04 04:27:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 04:23:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	100813	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	404304	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	235713	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	388315	20.000	ng	0.00
76) Chrysene-d12	14.098	240	210436	20.000	ng	0.00
86) Perylene-d12	15.604	264	212043	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	607760	96.022	ng	0.00
7) Phenol-d6	6.540	99	814445	99.168	ng	-0.01
23) Nitrobenzene-d5	7.481	82	588204	68.413	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	224420	94.578	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	782131	56.135	ng	0.00
79) Terphenyl-d14	13.033	244	559439	48.612	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.475	178	313622	15.429	ng	100
72) Anthracene	11.522	178	56817	2.806	ng	97
75) Fluoranthene	12.669	202	422247	19.738	ng	96
78) Pyrene	12.898	202	332089	19.549	ng	99
81) Benzo(a)anthracene	14.086	228	141697	10.102	ng	98
83) Chrysene	14.121	228	136218m	10.169	ng	
87) Indeno(1,2,3-cd)pyrene	17.127	276	64498	4.557	ng	97
88) Benzo(b)fluoranthene	15.157	252	180658m	13.565	ng	
89) Benzo(k)fluoranthene	15.180	252	52700m	3.928	ng	
90) Benzo(a)pyrene	15.533	252	115139	10.422	ng	99
92) Benzo(g,h,i)perylene	17.592	276	58581	4.897	ng	99

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

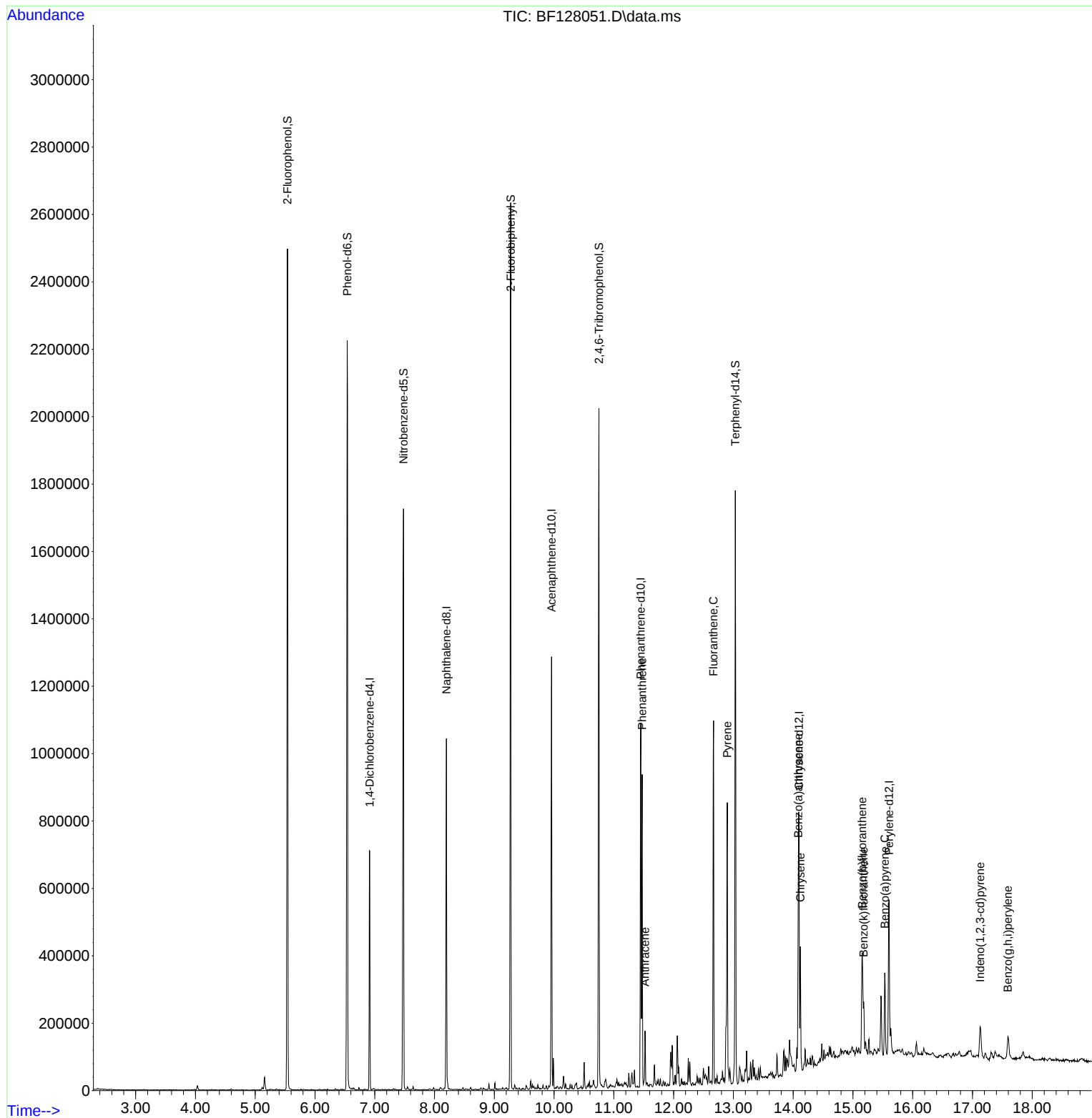
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128051.D
Acq On : 03 May 2022 17:46
Operator : CG\JU
Sample : N2647-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

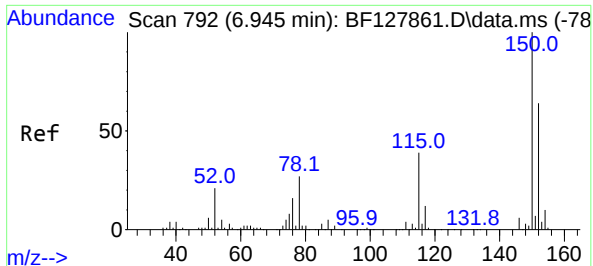
Instrument :
BNA_F
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Quant Time: May 04 04:27:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
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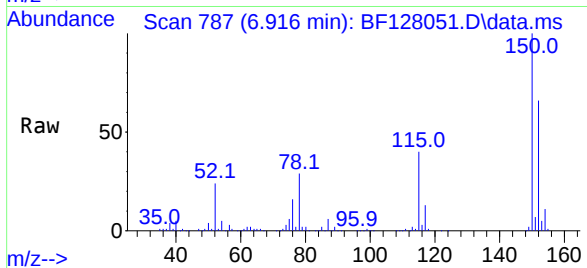
Reviewed By : Christian Giraldo 05/04/2022
Supervised By : Jagrut Upadhyay 05/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

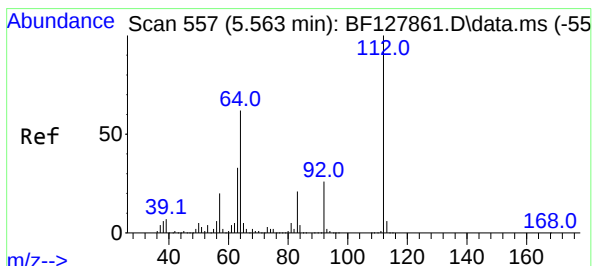
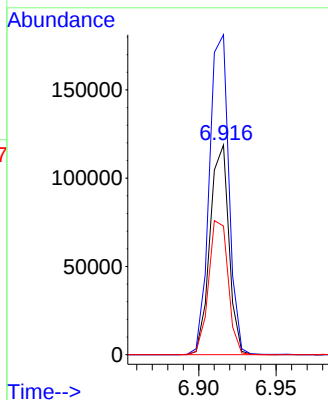
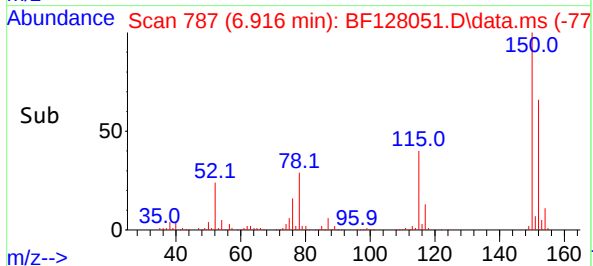
Instrument :
BNA_F
ClientSampleId :
357



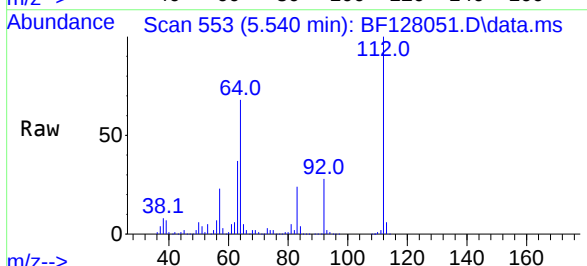
Tgt Ion:152 Resp: 10081
Ion Ratio Lower Upper
152 100
150 152.6 125.3 187.9
115 61.3 48.8 73.2

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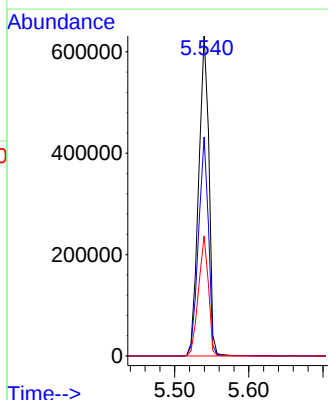
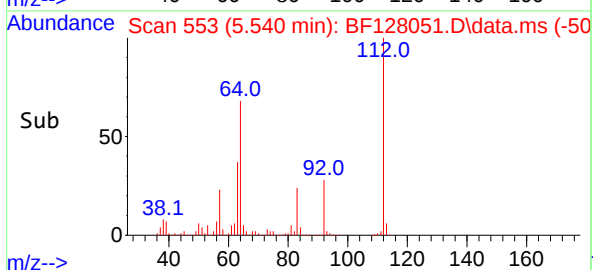
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022

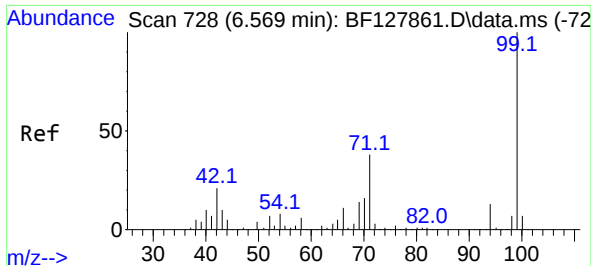


#5
2-Fluorophenol
Concen: 96.022 ng
RT: 5.540 min Scan# 553
Delta R.T. -0.000 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46



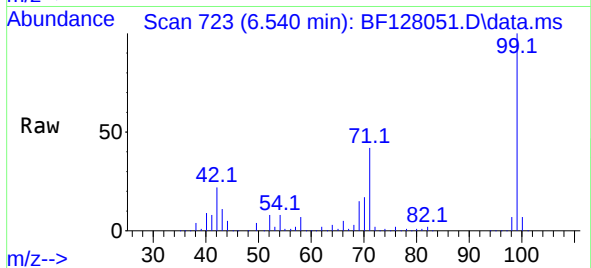
Tgt Ion:112 Resp: 607760
Ion Ratio Lower Upper
112 100
64 68.4 49.5 74.3
63 37.5 26.3 39.5





#7
Phenol-d6
Concen: 99.168 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

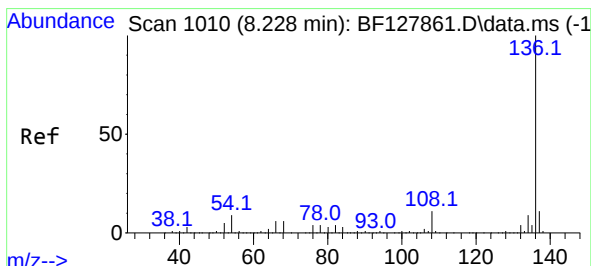
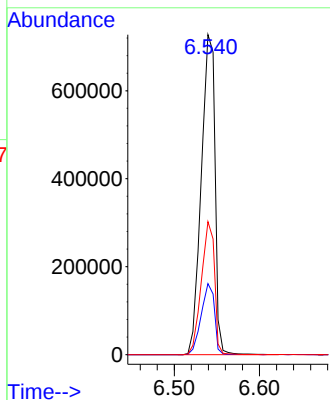
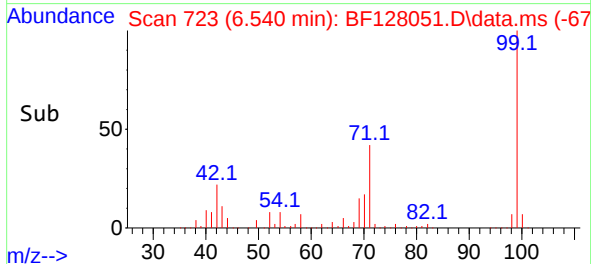
Instrument :
BNA_F
ClientSampleId :
357



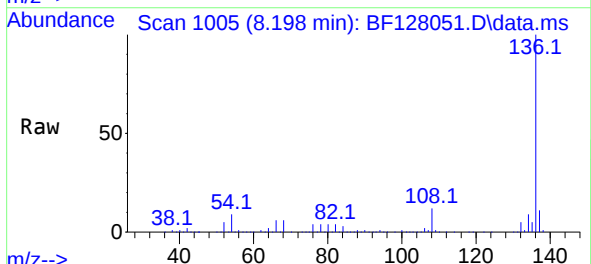
Tgt Ion: 99 Resp: 81444
Ion Ratio Lower Upper
99 100
42 22.2 16.6 24.8
71 41.6 30.0 45.0

Manual Integrations
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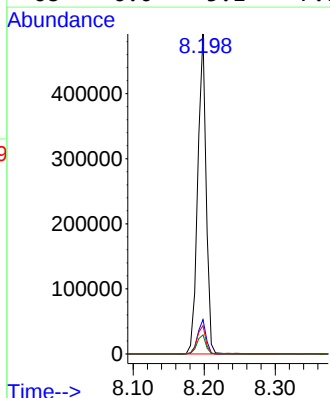
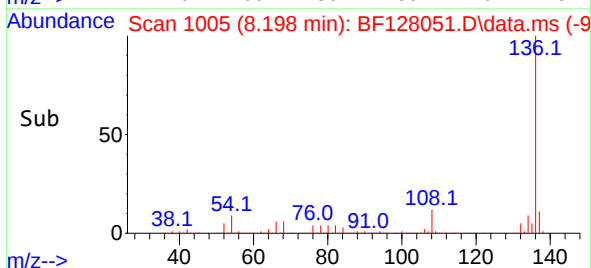
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46



Tgt Ion:136 Resp: 404304
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.9 6.8 10.2
68 6.0 5.1 7.7





#23

Nitrobenzene-d5

Concen: 68.413 ng

RT: 7.481 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

Instrument :

BNA_F

ClientSampleId :

357

Tgt Ion: 82 Resp: 588204

Ion Ratio Lower Upper

82 100

128 37.2 30.0 45.0

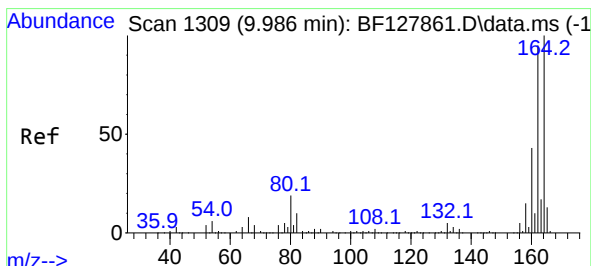
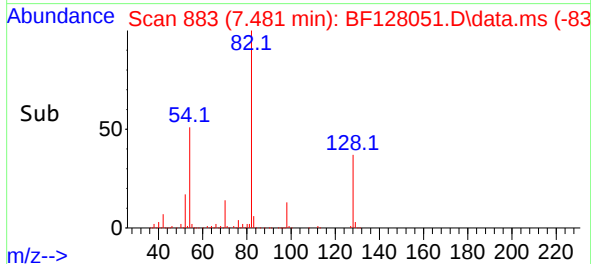
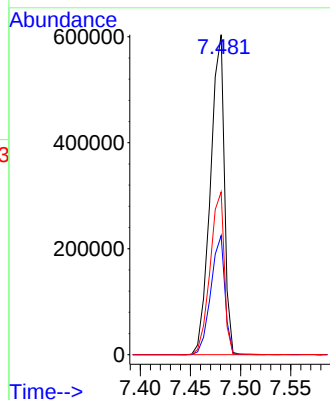
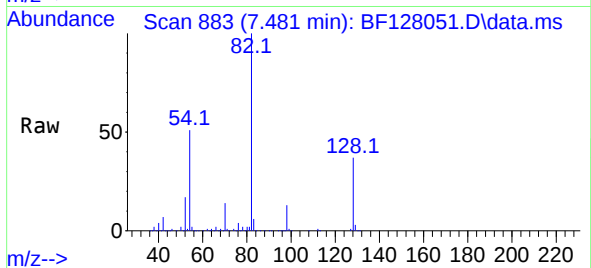
54 50.9 41.3 61.9

Manual Integrations

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Reviewed By :Christian Giraldo 05/04/2022

Supervised By :Jagrut Upadhyay 05/04/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

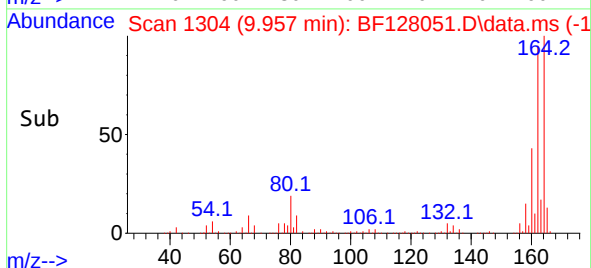
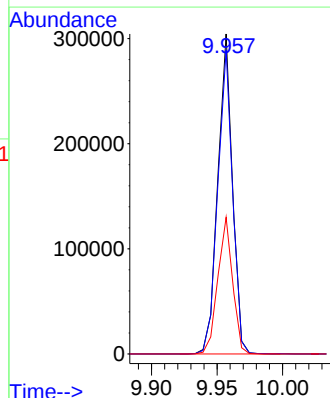
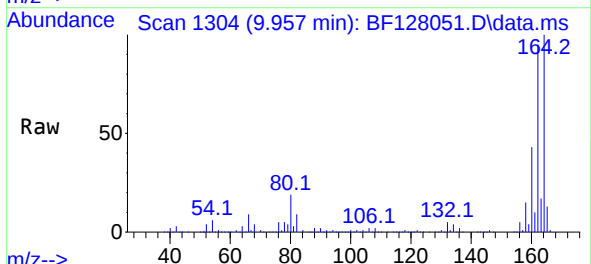
Tgt Ion:164 Resp: 235713

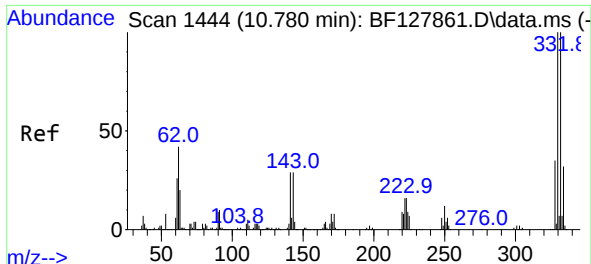
Ion Ratio Lower Upper

164 100

162 95.1 76.0 114.0

160 42.7 34.8 52.2





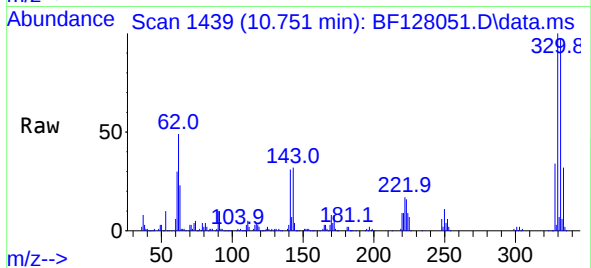
#42
2,4,6-Tribromophenol
Concen: 94.578 ng
RT: 10.751 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

Instrument :

BNA_F

ClientSampleId :

357

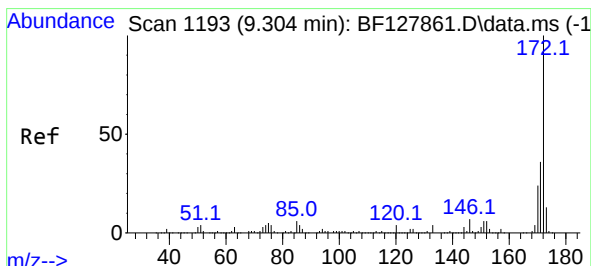
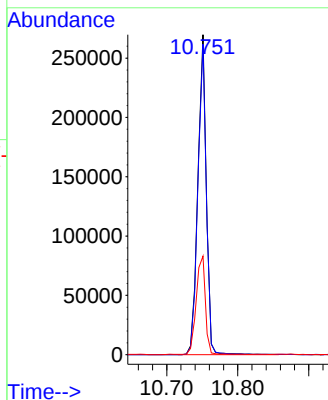
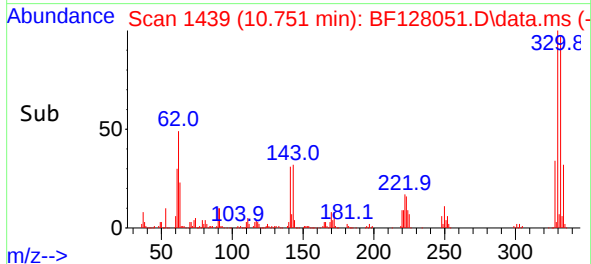


Tgt Ion: 330 Resp: 224420
Ion Ratio Lower Upper
330 100
332 96.9 79.0 118.4
141 33.4 28.9 43.3

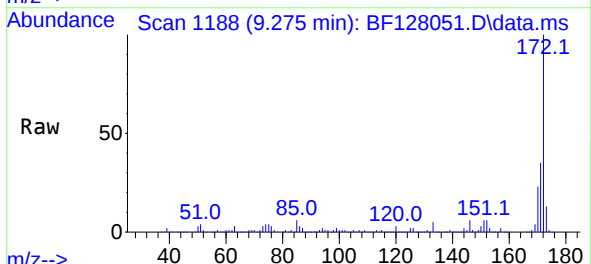
Manual Integrations

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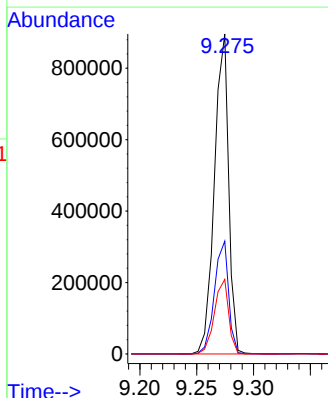
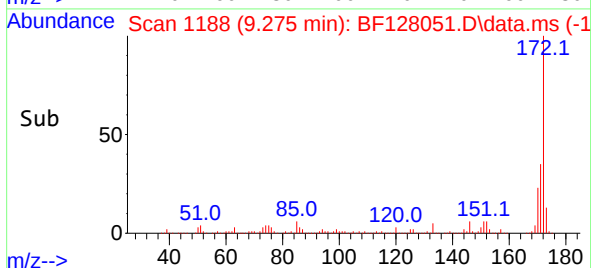
Reviewed By : Christian Giraldo 05/04/2022
Supervised By : Jagrut Upadhyay 05/04/2022



#45
2-Fluorobiphenyl
Concen: 56.135 ng
RT: 9.275 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46



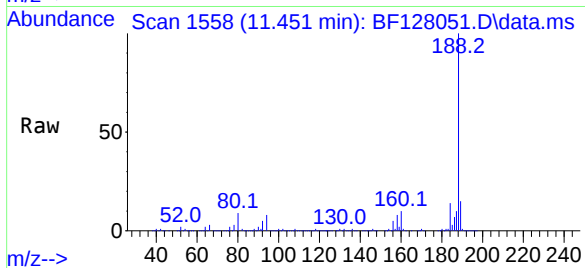
Tgt Ion: 172 Resp: 782131
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.3 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

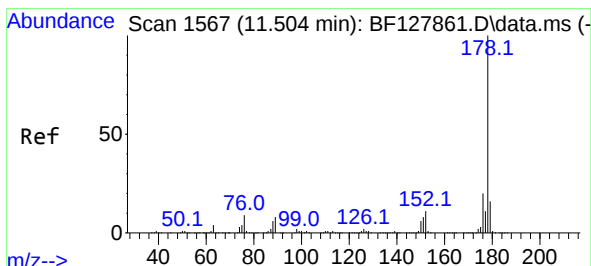
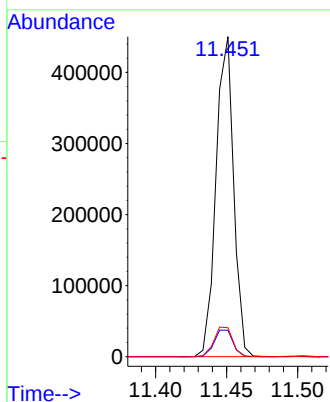
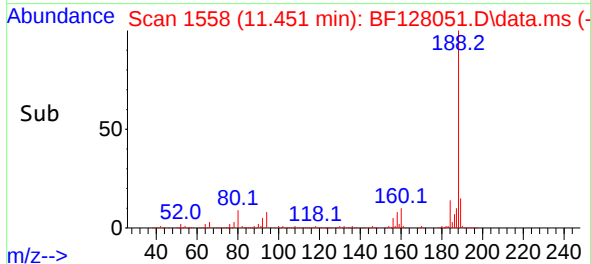
Instrument :
BNA_F
ClientSampleId :
357



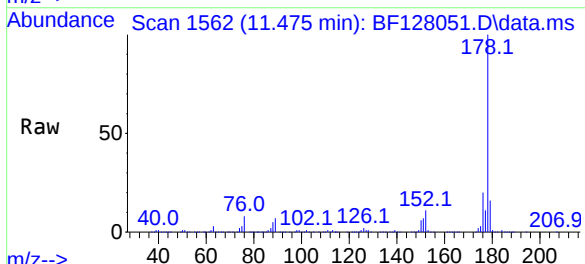
Tgt Ion:188 Resp: 388315
Ion Ratio Lower Upper
188 100
94 8.3 8.0 12.0
80 9.0 8.9 13.3

Manual Integrations
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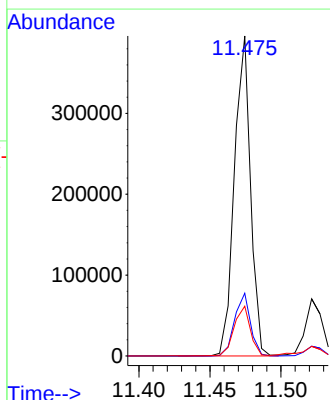
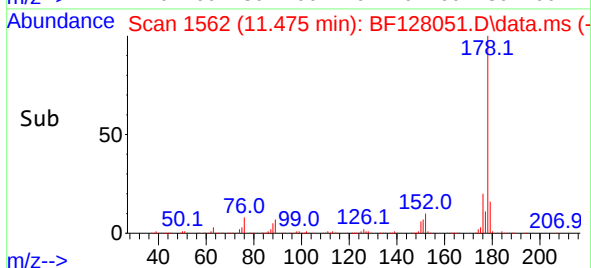
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022

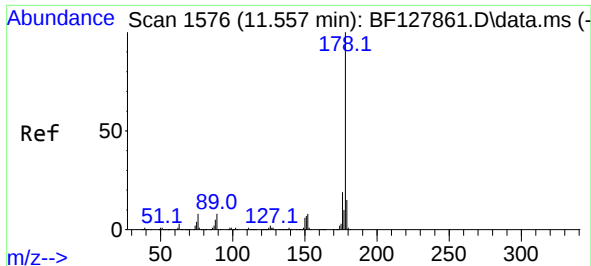


#71
Phenanthrene
Concen: 15.429 ng
RT: 11.475 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46



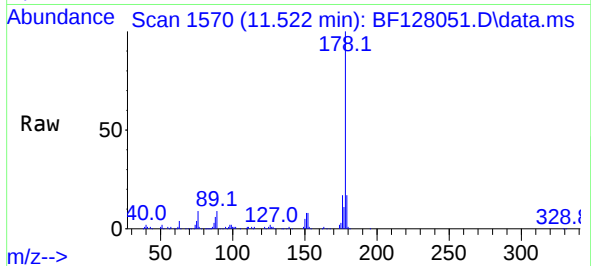
Tgt Ion:178 Resp: 313622
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.6 12.6 19.0





#72
 Anthracene
 Concen: 2.806 ng
 RT: 11.522 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128051.D
 Acq: 03 May 2022 17:46

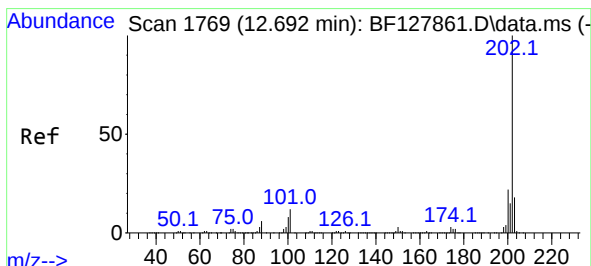
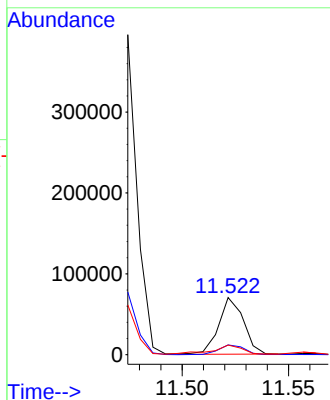
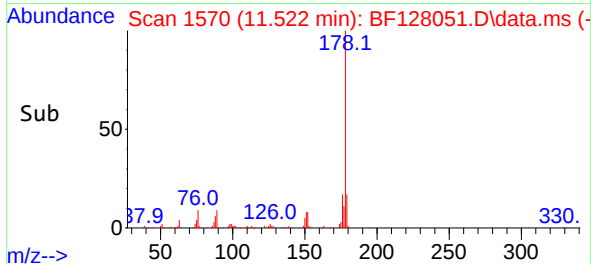
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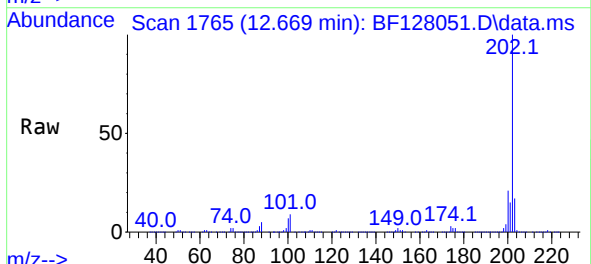
Tgt Ion:178 Resp: 5681
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.0 22.6
 179 16.8 12.4 18.6

Manual Integrations
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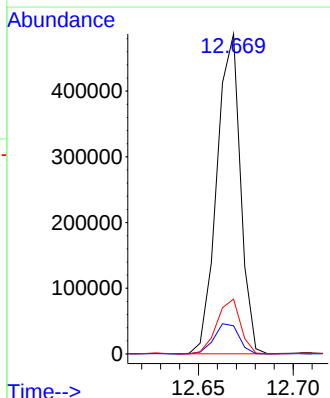
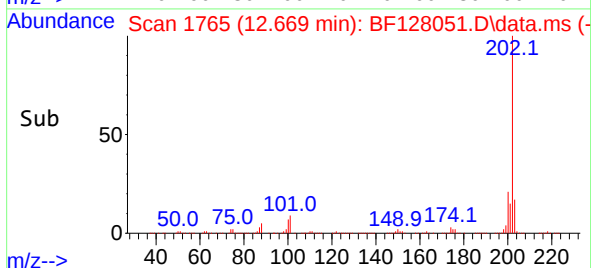
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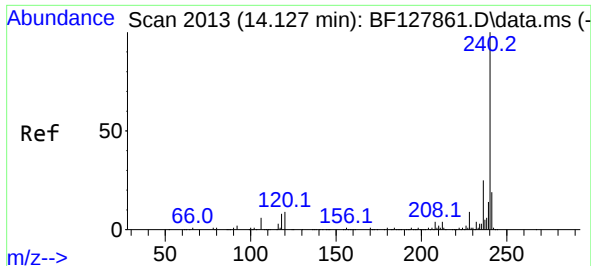


#75
 Fluoranthene
 Concen: 19.738 ng
 RT: 12.669 min Scan# 1765
 Delta R.T. -0.006 min
 Lab File: BF128051.D
 Acq: 03 May 2022 17:46



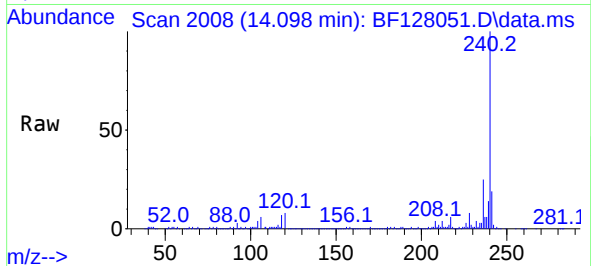
Tgt Ion:202 Resp: 422247
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 31.6
 203 17.1 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

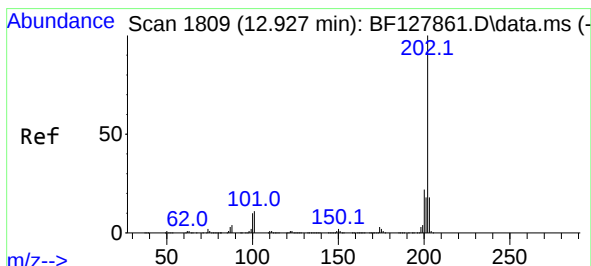
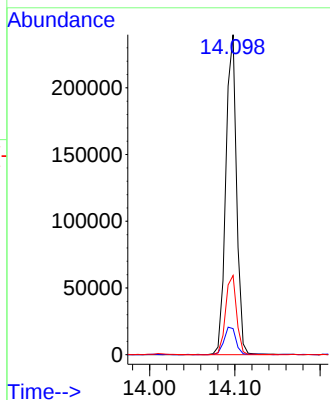
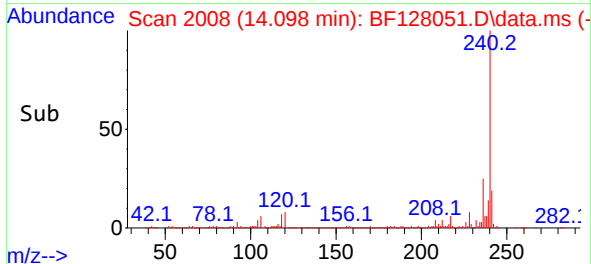
Instrument :
BNA_F
ClientSampleId :
357



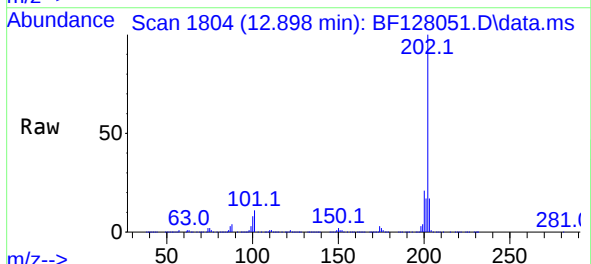
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Ion Ratio Lower Upper
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120 8.1 7.0 10.6
236 24.8 20.3 30.5

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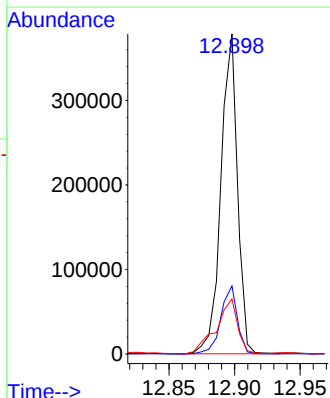
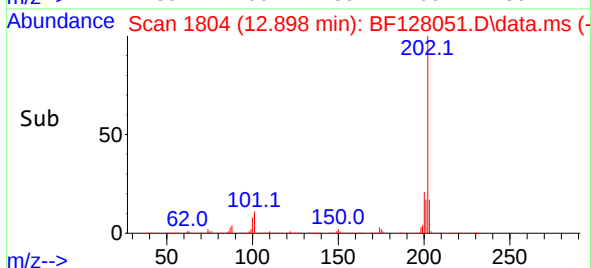
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022

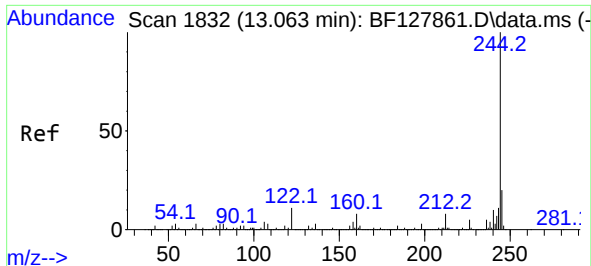


#78
Pyrene
Concen: 19.549 ng
RT: 12.898 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46



Tgt Ion:202 Resp: 332089
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.2 14.0 21.0





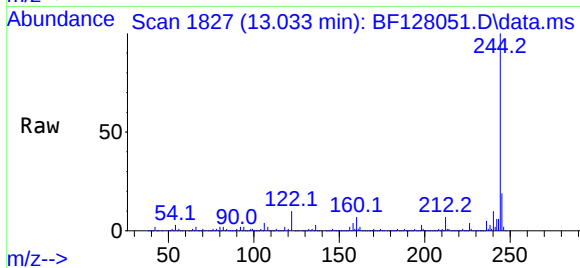
#79
 Terphenyl-d14
 Concen: 48.612 ng
 RT: 13.033 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128051.D
 Acq: 03 May 2022 17:46

Instrument :

BNA_F

ClientSampleId :

357

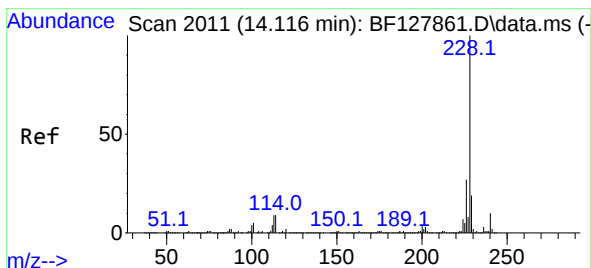
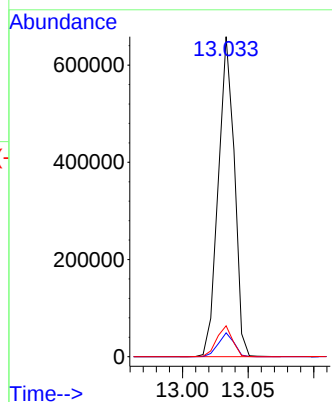
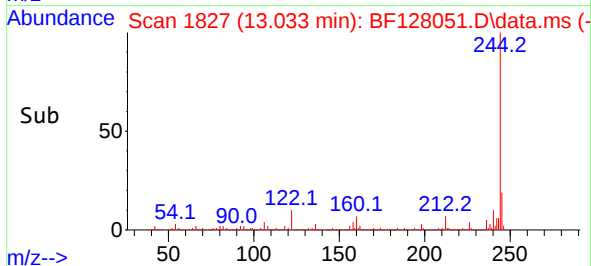


Tgt Ion:244 Resp: 559439
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.4
 122 9.7 8.6 12.8

Manual Integrations

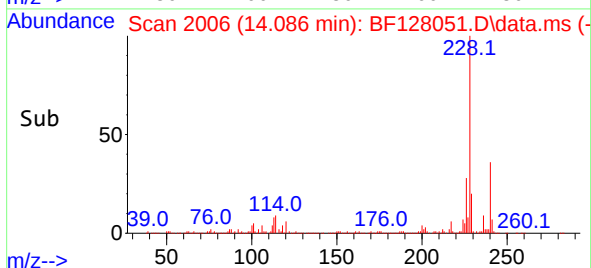
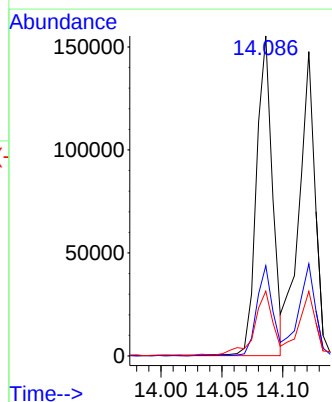
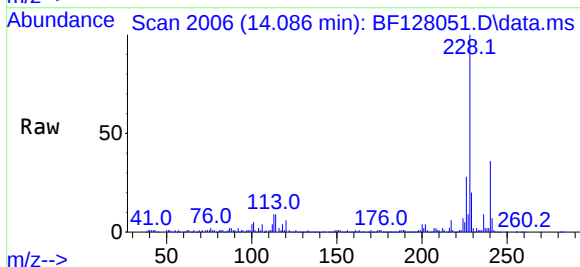
APPROVED

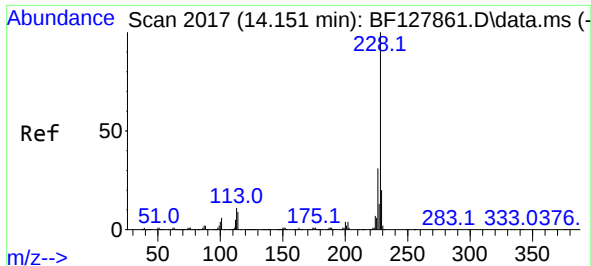
Reviewed By :Christian Giraldo 05/04/2022
 Supervised By :Jagrut Upadhyay 05/04/2022



#81
 Benzo(a)anthracene
 Concen: 10.102 ng
 RT: 14.086 min Scan# 2006
 Delta R.T. -0.006 min
 Lab File: BF128051.D
 Acq: 03 May 2022 17:46

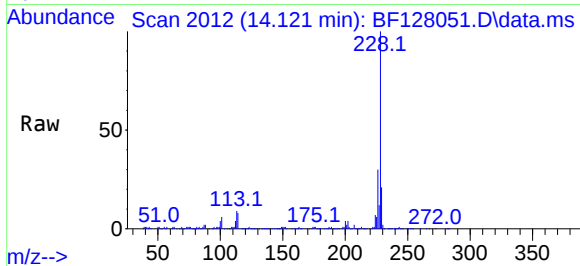
Tgt Ion:228 Resp: 141697
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.7 32.5
 229 20.3 15.4 23.2





#83
Chrysene
Concen: 10.169 ng m
RT: 14.121 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

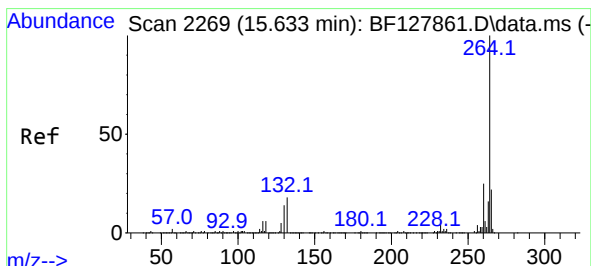
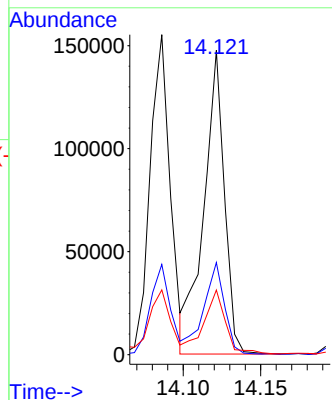
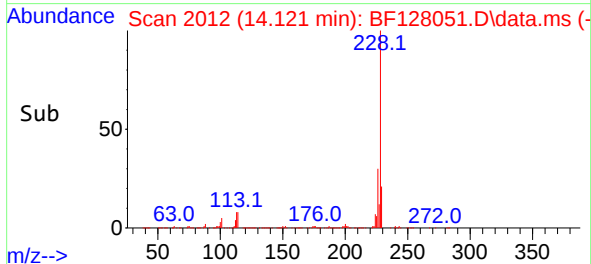
Instrument :
BNA_F
ClientSampleId :
357



Tgt Ion:228 Resp: 136218
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 21.2 15.8 23.8

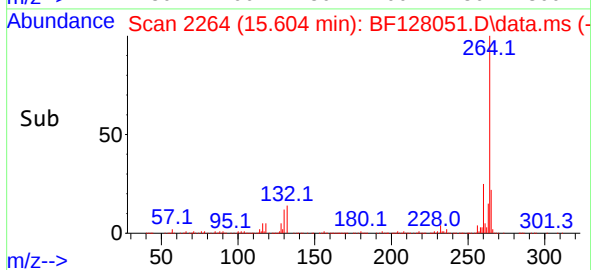
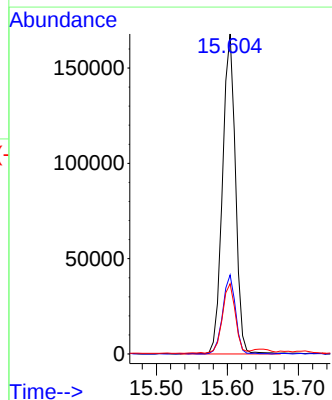
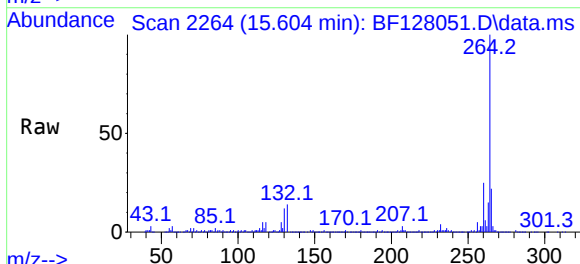
Manual Integrations
APPROVED

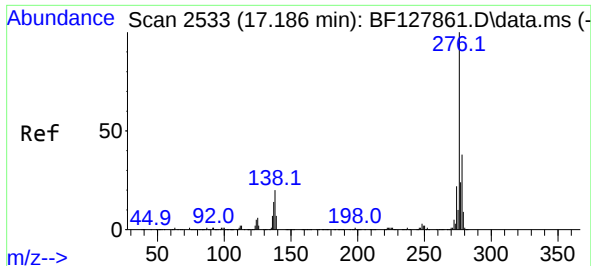
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.604 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

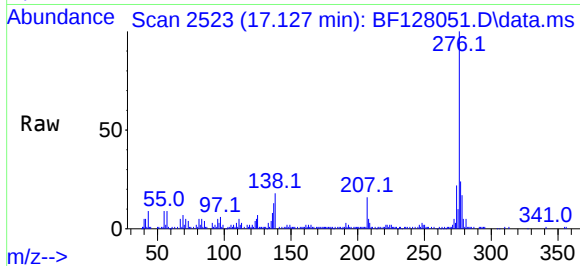
Tgt Ion:264 Resp: 212043
Ion Ratio Lower Upper
264 100
260 24.7 20.1 30.1
265 22.0 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.557 ng
RT: 17.127 min Scan# 2187
Delta R.T. -0.035 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46

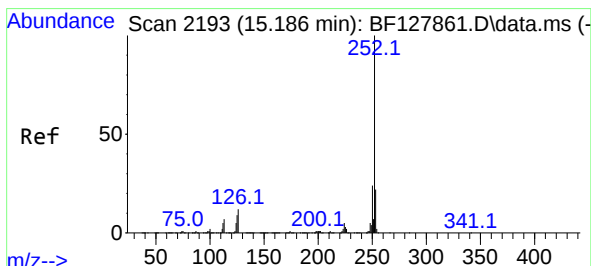
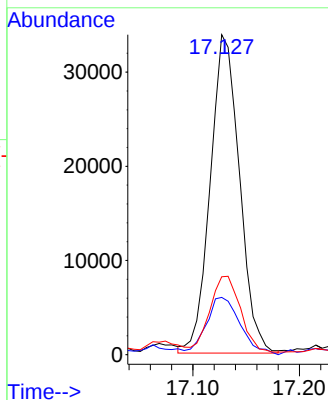
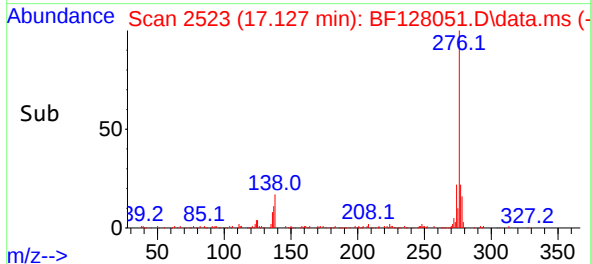
Instrument :
BNA_F
ClientSampleId :
357



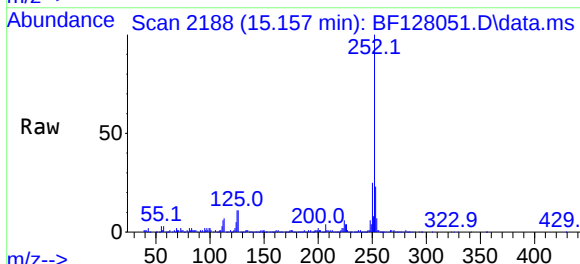
Tgt Ion:276 Resp: 64498
Ion Ratio Lower Upper
276 100
138 20.9 19.0 28.4
277 24.7 20.1 30.1

Manual Integrations
APPROVED

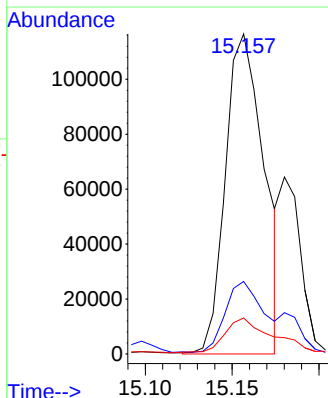
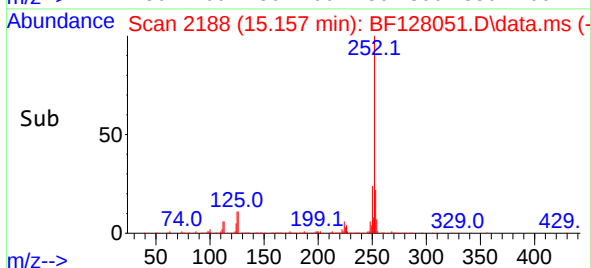
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022

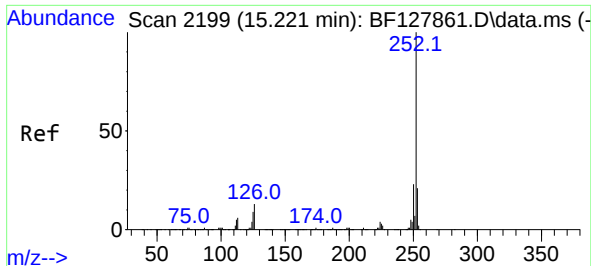


#88
Benzo(b)fluoranthene
Concen: 13.565 ng m
RT: 15.157 min Scan# 2188
Delta R.T. -0.012 min
Lab File: BF128051.D
Acq: 03 May 2022 17:46



Tgt Ion:252 Resp: 180658
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 11.3 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 3.928 ng m

RT: 15.180 min Scan# 2199

Delta R.T. -0.018 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

Instrument :

BNA_F

ClientSampleId :

357

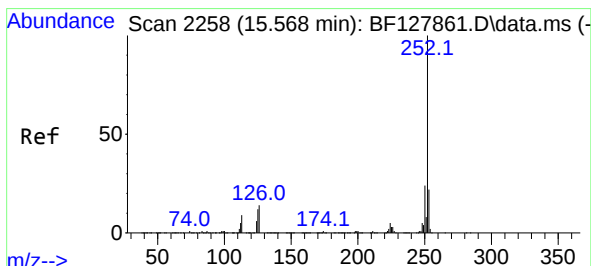
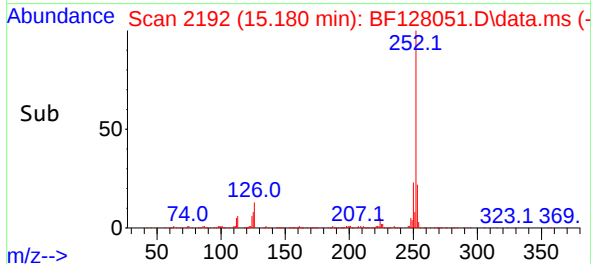
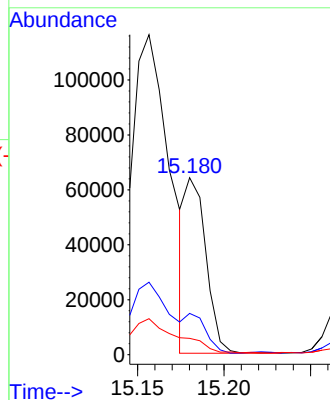
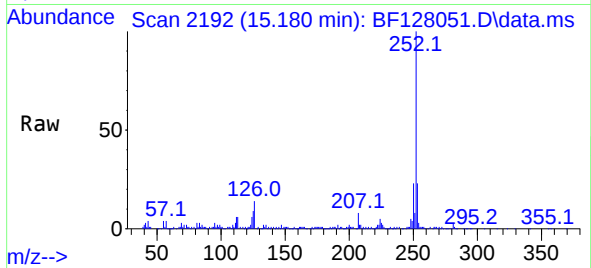
Tgt Ion:	252	Resp:	52700
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.4
125	9.2	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2022

Supervised By :Jagrut Upadhyay 05/04/2022



#90

Benzo(a)pyrene

Concen: 10.422 ng

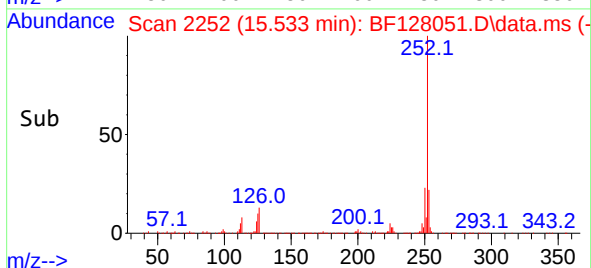
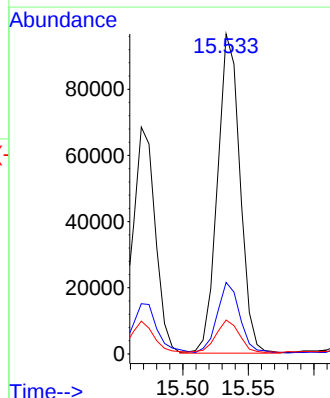
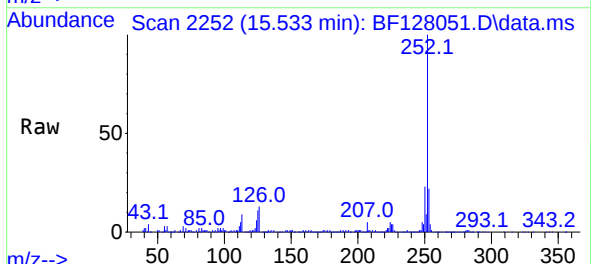
RT: 15.533 min Scan# 2252

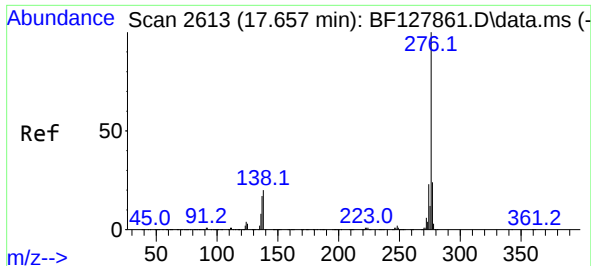
Delta R.T. -0.018 min

Lab File: BF128051.D

Acq: 03 May 2022 17:46

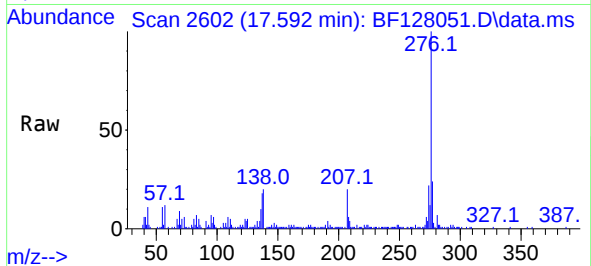
Tgt Ion:	252	Resp:	115139
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.6
125	10.6	9.2	13.8





#92
 Benzo(g,h,i)perylene
 Concen: 4.897 ng
 RT: 17.592 min Scan# 20
 Delta R.T. -0.041 min
 Lab File: BF128051.D
 Acq: 03 May 2022 17:46

Instrument :
 BNA_F
 ClientSampleId :
 357



Tgt Ion:	276	Resp:	5858
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.8	28.2
138	19.9	16.2	24.2

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/04/2022
 Supervised By :Jagrut Upadhyay 05/04/2022

