

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050222\
 Data File : BF128033.D
 Acq On : 02 May 2022 18:39
 Operator : CG\JU
 Sample : N2610-01DL 4X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-042822DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/03/2022
 Supervised By : Jagrut Upadhyay 05/05/2022

Quant Time: May 03 07:28:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	121142	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	452996	20.000	ng	0.00
39) Acenaphthene-d10	9.975	164	229393	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	327522	20.000	ng	0.00
76) Chrysene-d12	14.116	240	237302	20.000	ng	# 0.00
86) Perylene-d12	15.633	264	171559	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	173926	22.868	ng	0.00
7) Phenol-d6	6.551	99	223184	22.615	ng	-0.01
23) Nitrobenzene-d5	7.487	82	150966	15.671	ng	-0.02
42) 2,4,6-Tribromophenol	10.763	330	44868	19.430	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	270586	19.955	ng	0.00
79) Terphenyl-d14	13.051	244	215103	16.575	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.492	178	355149	20.715	ng	99
72) Anthracene	11.539	178	89554	5.244	ng	99
75) Fluoranthene	12.686	202	603548	33.449	ng	99
78) Pyrene	12.922	202	632264	33.006	ng	99
81) Benzo(a)anthracene	14.110	228	341459	21.588	ng	94
83) Chrysene	14.145	228	307279	20.342	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	121574	10.617	ng	# 94
88) Benzo(b)fluoranthene	15.186	252	333681m	30.967	ng	
89) Benzo(k)fluoranthene	15.210	252	95133m	8.763	ng	
90) Benzo(a)pyrene	15.569	252	229607	25.689	ng	97
91) Dibenzo(a,h)anthracene	17.192	278	29911	3.257	ng	# 81
92) Benzo(g,h,i)perylene	17.651	276	119776	12.376	ng	97

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

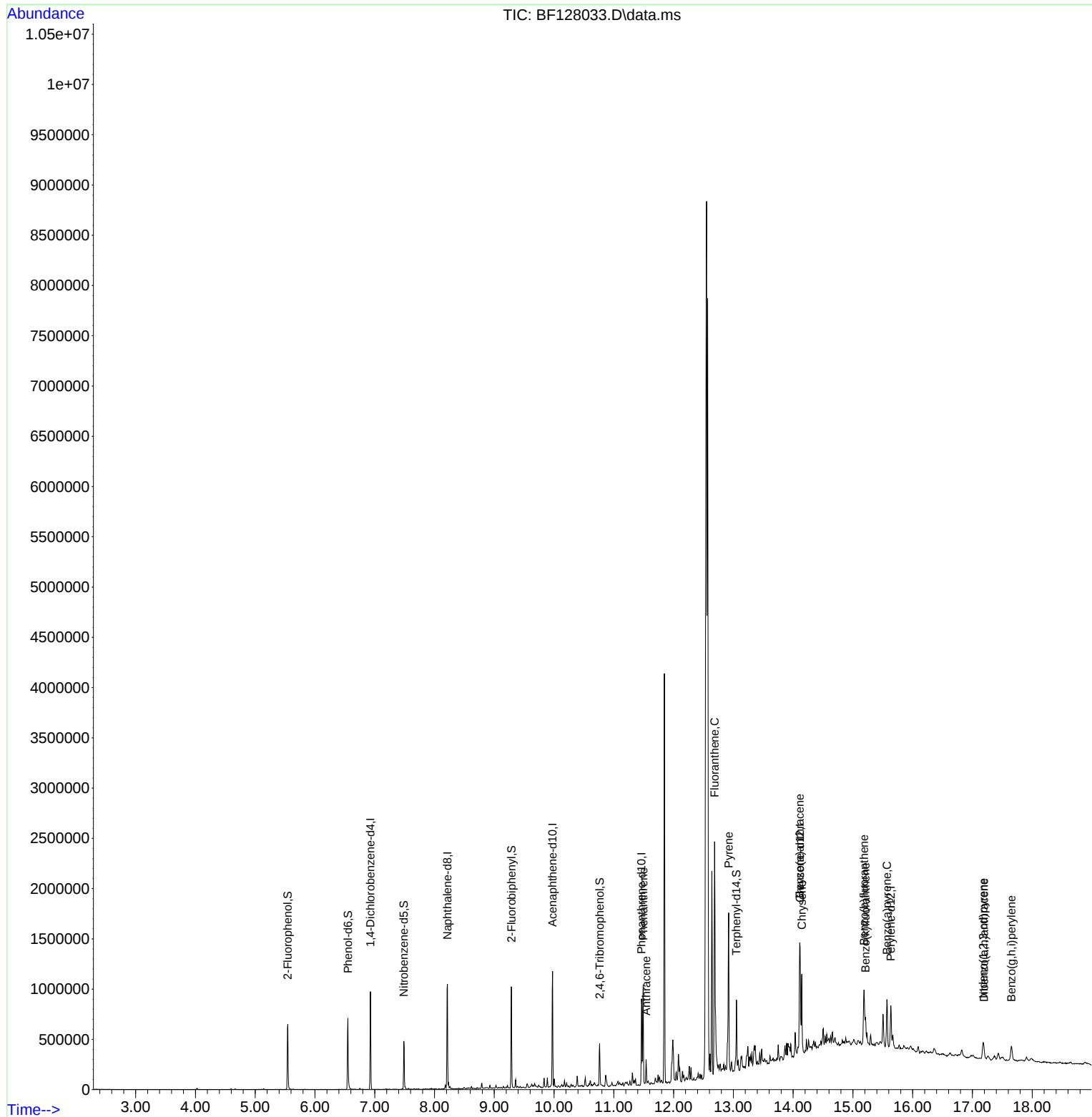
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050222\
Data File : BF128033.D
Acq On : 02 May 2022 18:39
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Sample : N2610-01DL 4X
Misc :
ALS Vial : 20 Sample Multiplier: 1

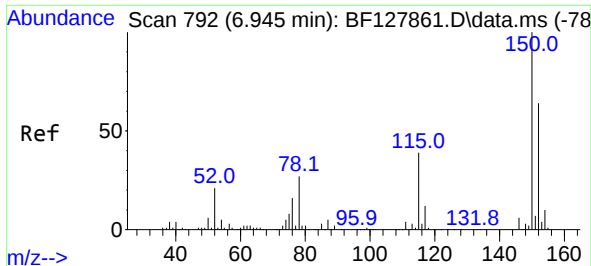
Instrument :
BNA_F
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HR-03-042822DL

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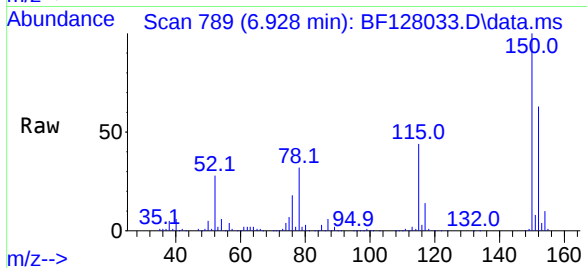
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Instrument :

BNA_F

ClientSampleId :

HR-03-042822DL

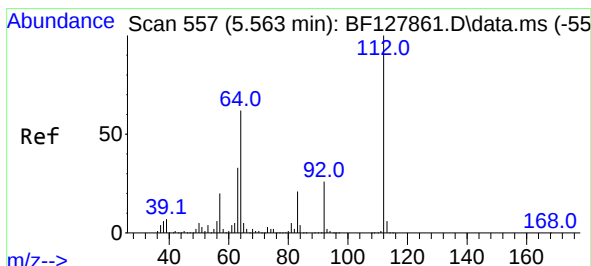
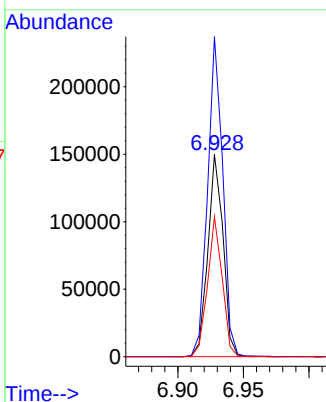
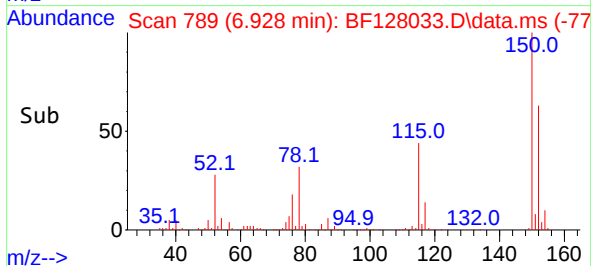


Tgt Ion:152 Resp: 12114
Ion Ratio Lower Upper
152 100
150 158.3 125.3 187.9
115 69.3 48.8 73.2

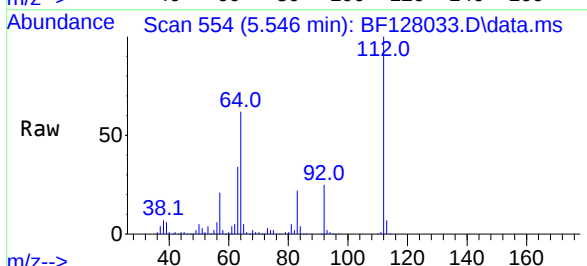
Manual Integrations

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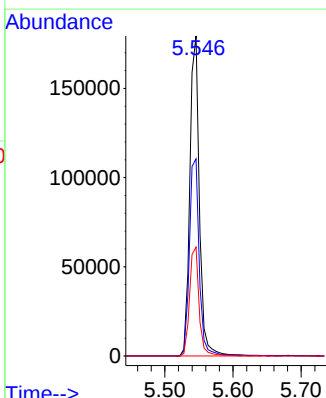
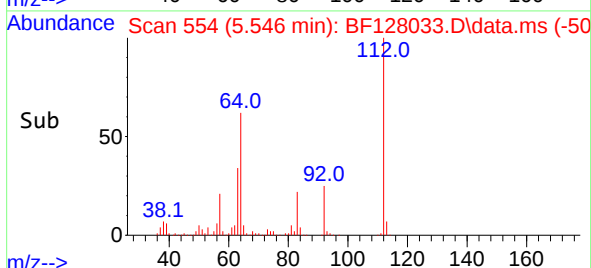
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022

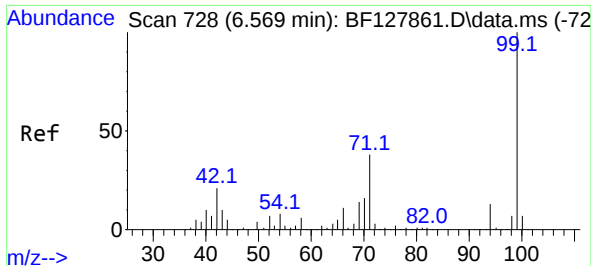


#5
2-Fluorophenol
Concen: 22.868 ng
RT: 5.546 min Scan# 554
Delta R.T. -0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39



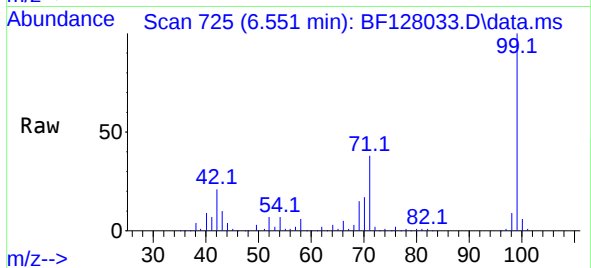
Tgt Ion:112 Resp: 173926
Ion Ratio Lower Upper
112 100
64 61.6 49.5 74.3
63 34.0 26.3 39.5





#7
Phenol-d6
Concen: 22.615 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

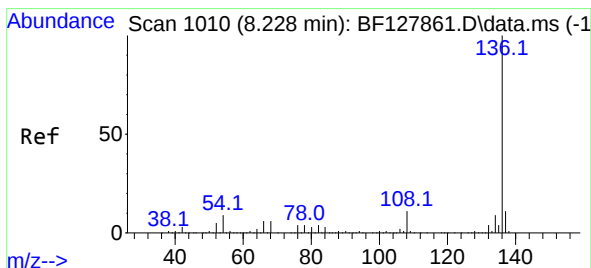
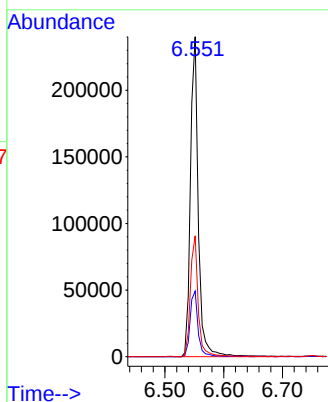
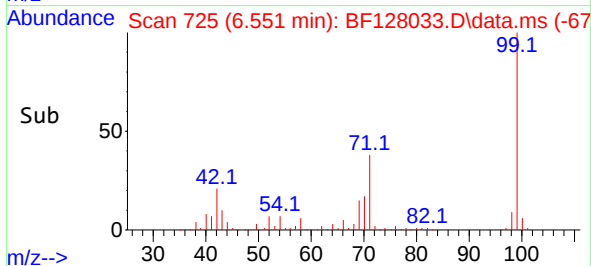
Instrument :
BNA_F
ClientSampleId :
HR-03-042822DL



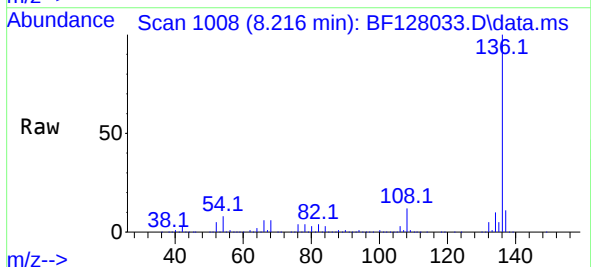
Tgt Ion: 99 Resp: 223184
Ion Ratio Lower Upper
99 100
42 20.5 16.6 24.8
71 37.8 30.0 45.0

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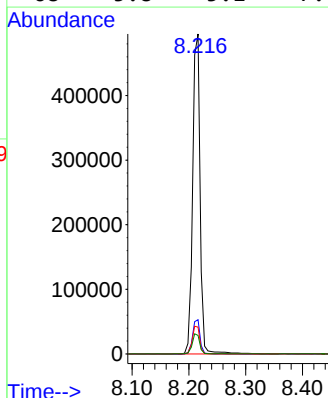
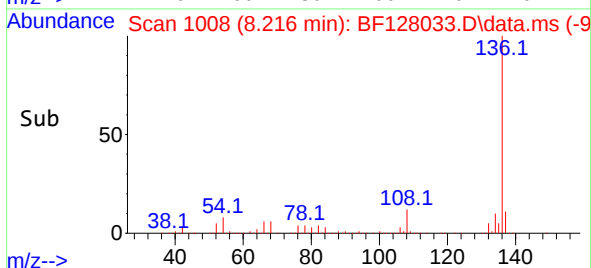
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39



Tgt Ion:136 Resp: 452996
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.4 6.8 10.2
68 5.8 5.1 7.7





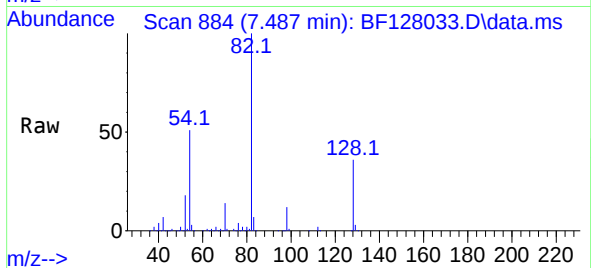
#23
Nitrobenzene-d5
Concen: 15.671 ng
RT: 7.487 min Scan# 81
Delta R.T. -0.017 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Instrument :

BNA_F

ClientSampleId :

HR-03-042822DL

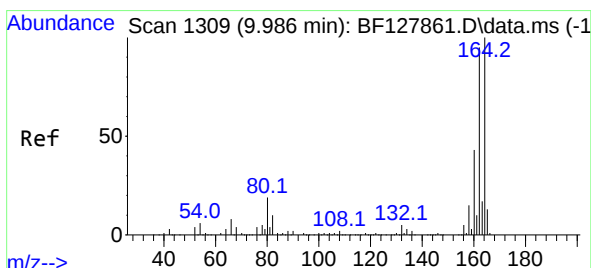
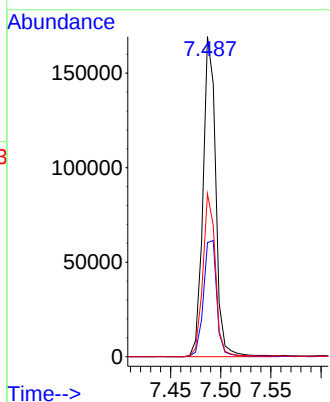
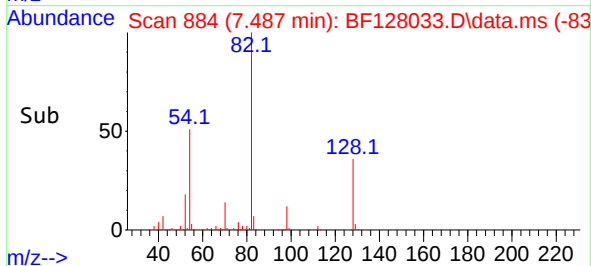


Tgt Ion: 82 Resp: 150960
Ion Ratio Lower Upper
82 100
128 35.7 30.0 45.0
54 50.9 41.3 61.9

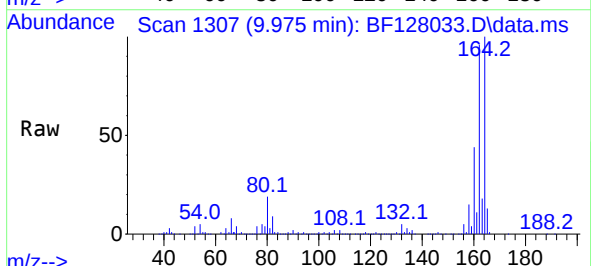
Manual Integrations

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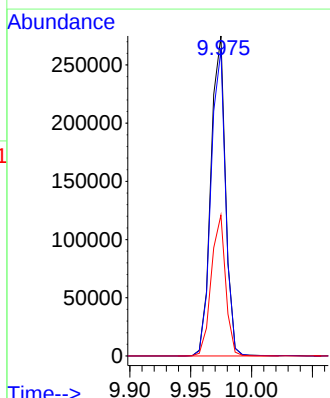
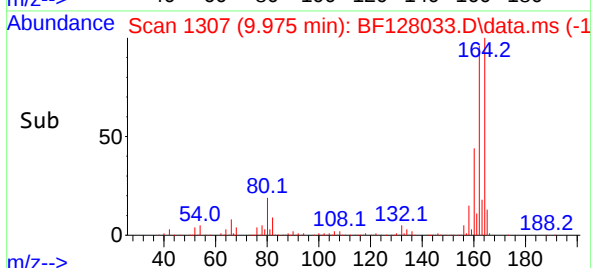
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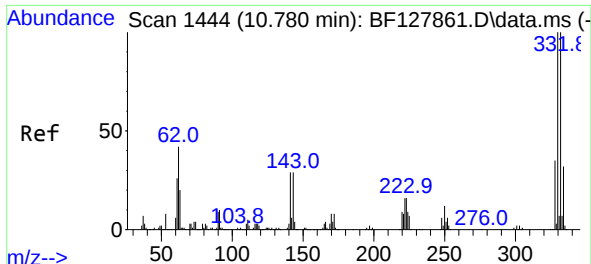


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.975 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39



Tgt Ion:164 Resp: 229393
Ion Ratio Lower Upper
164 100
162 95.5 76.0 114.0
160 44.0 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 19.430 ng
RT: 10.763 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Instrument :

BNA_F

ClientSampleId :

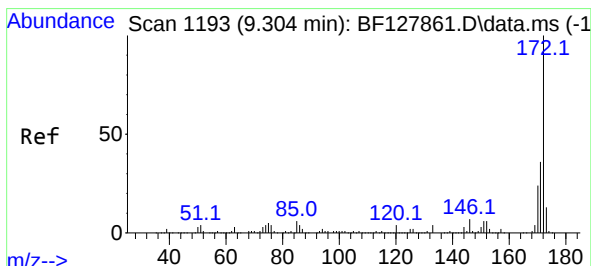
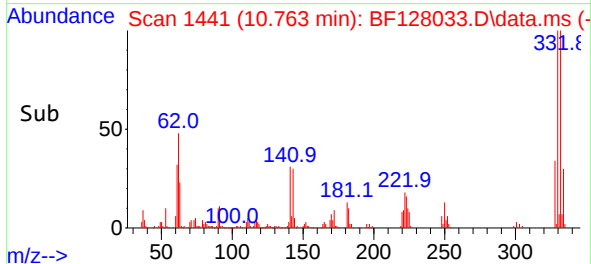
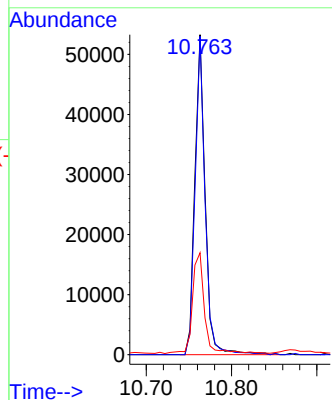
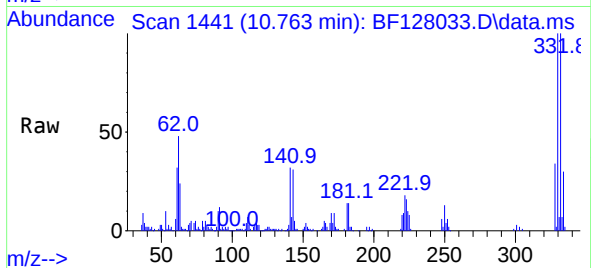
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Tgt Ion: 330 Resp: 44868
Ion Ratio Lower Upper
330 100
332 96.2 79.0 118.4
141 35.7 28.9 43.3

Manual Integrations

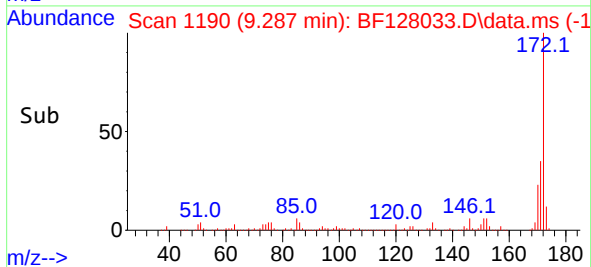
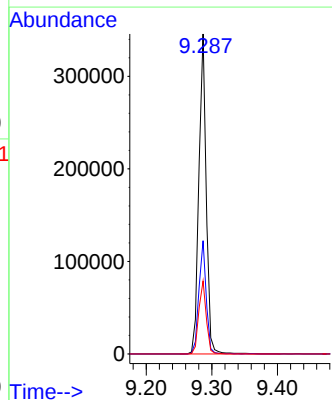
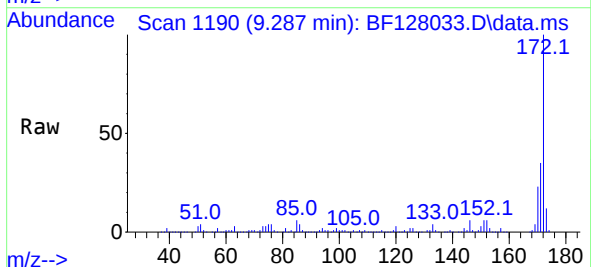
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Reviewed By : Christian Giraldo 05/03/2022
Supervised By : Jagrut Upadhyay 05/05/2022



#45
2-Fluorobiphenyl
Concen: 19.955 ng
RT: 9.287 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Tgt Ion: 172 Resp: 270586
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 22.8 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Instrument :

BNA_F

ClientSampleId :

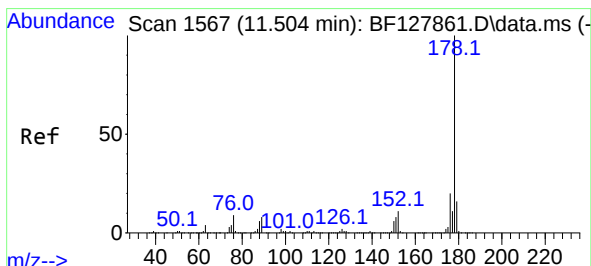
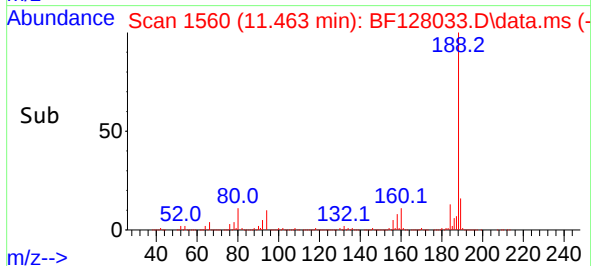
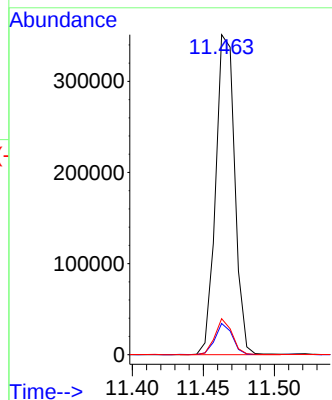
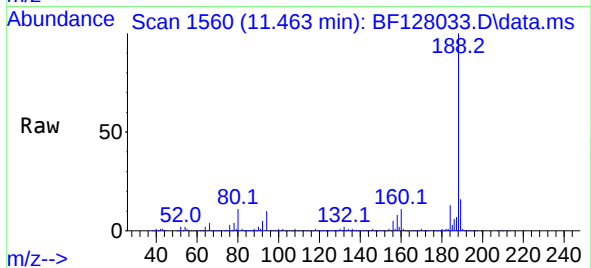
HR-03-042822DL

Tgt Ion:188 Resp: 32752
Ion Ratio Lower Upper
188 100
94 9.8 8.0 12.0
80 11.2 8.9 13.3

Manual Integrations

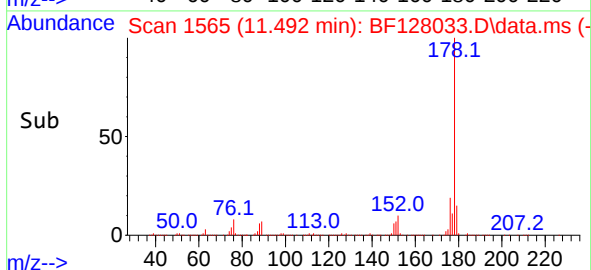
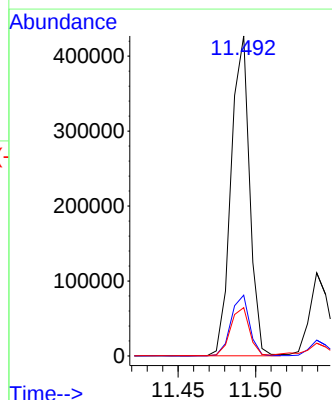
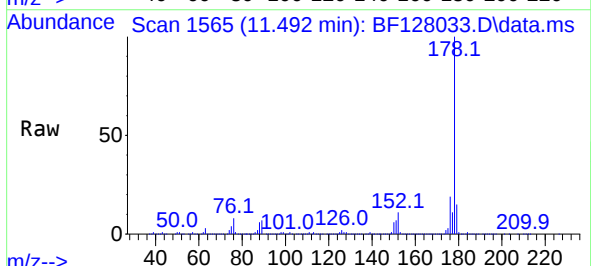
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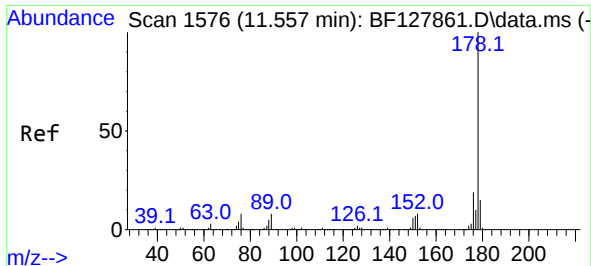
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#71
Phenanthrene
Concen: 20.715 ng
RT: 11.492 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

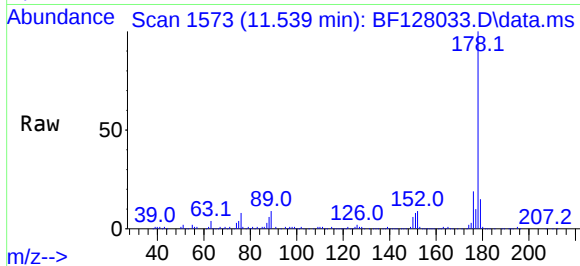
Tgt Ion:178 Resp: 355149
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.1 12.6 19.0





#72
 Anthracene
 Concen: 5.244 ng
 RT: 11.539 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128033.D
 Acq: 02 May 2022 18:39

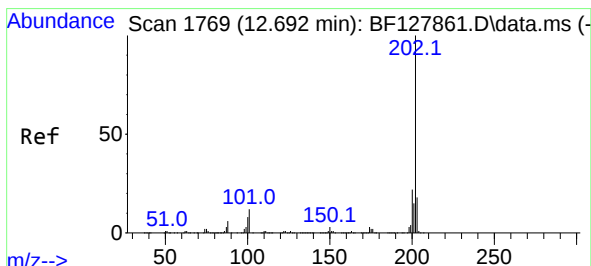
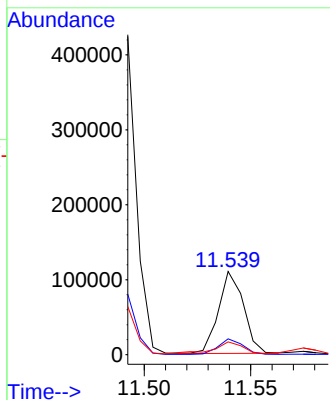
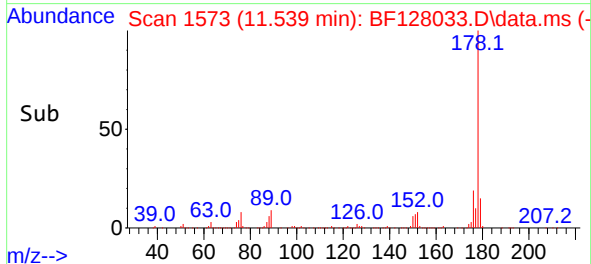
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 HR-03-042822DL



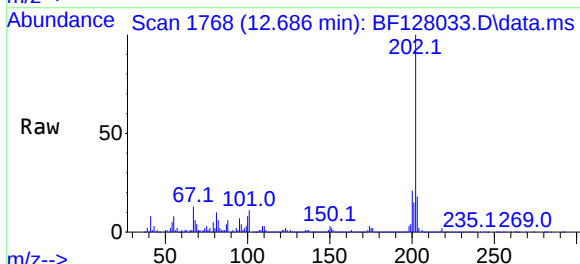
Tgt Ion:178 Resp: 89554
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.6
 179 15.3 12.4 18.6

Manual Integrations
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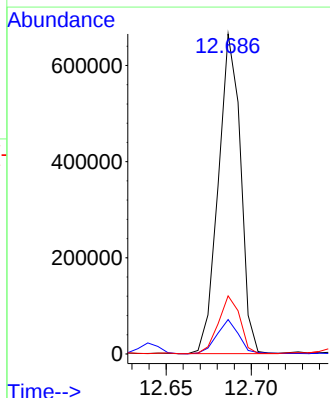
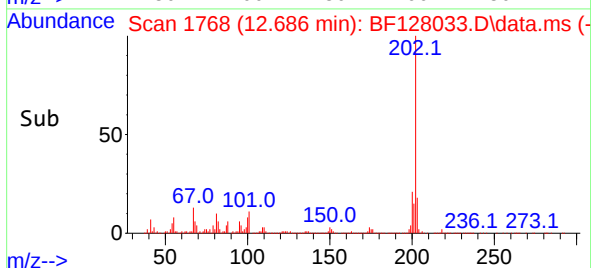
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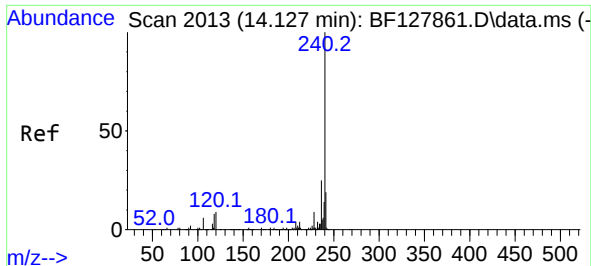


#75
 Fluoranthene
 Concen: 33.449 ng
 RT: 12.686 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: BF128033.D
 Acq: 02 May 2022 18:39



Tgt Ion:202 Resp: 603548
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.6
 203 18.1 0.0 38.1





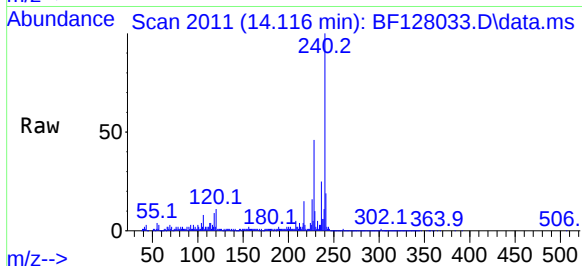
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Instrument :

BNA_F

ClientSampleId :

HR-03-042822DL

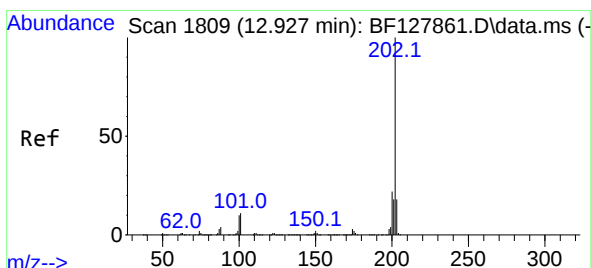
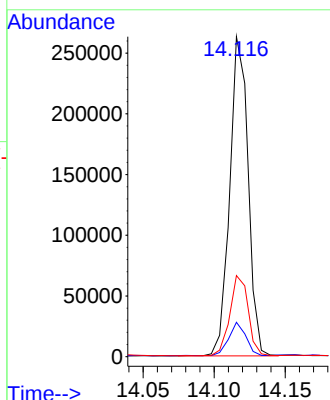
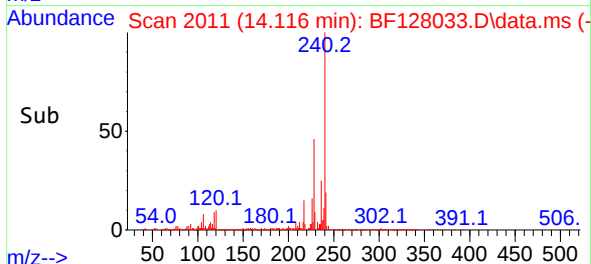


Tgt Ion:240 Resp: 237302
Ion Ratio Lower Upper
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120 10.7 7.0 10.6
236 25.4 20.3 30.5

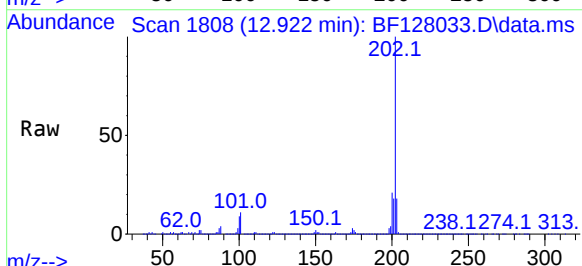
Manual Integrations

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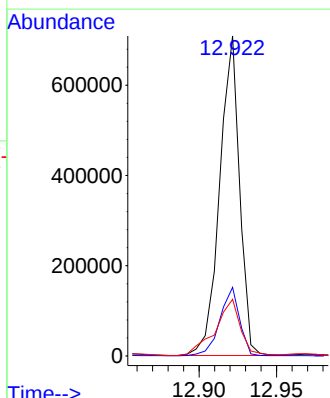
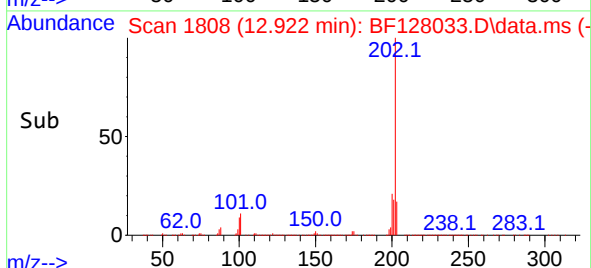
Reviewed By :Christian Giraldo 05/03/2022
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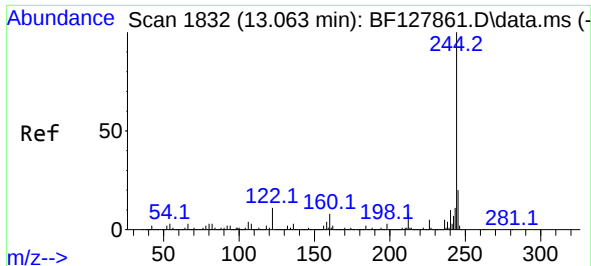


#78
Pyrene
Concen: 33.006 ng
RT: 12.922 min Scan# 1808
Delta R.T. 0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39



Tgt Ion:202 Resp: 632264
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.7 14.0 21.0





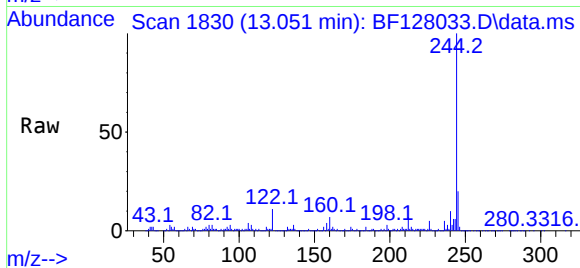
#79
Terphenyl-d14
Concen: 16.575 ng
RT: 13.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Instrument :

BNA_F

ClientSampleId :

HR-03-042822DL

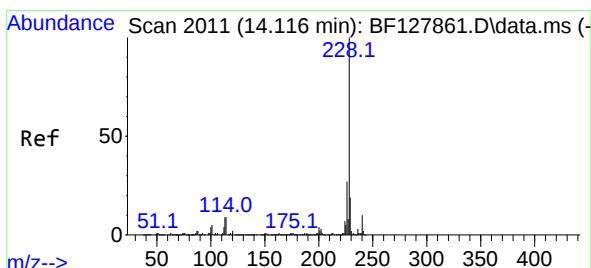
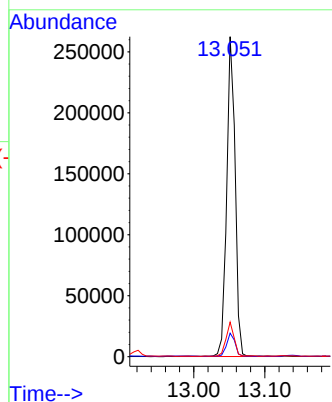
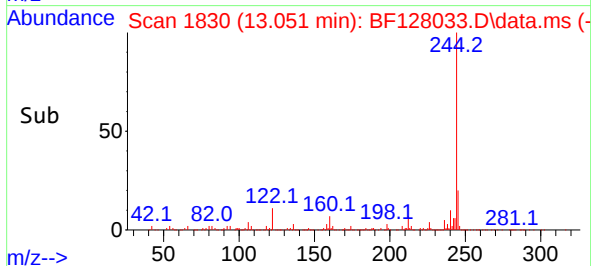


Tgt Ion:244 Resp: 21510
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.4
122 10.8 8.6 12.8

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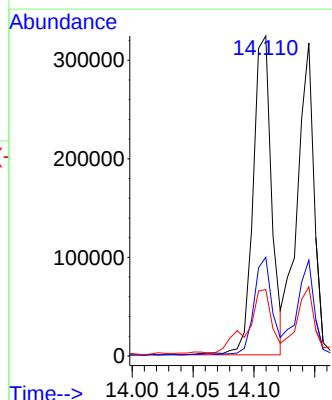
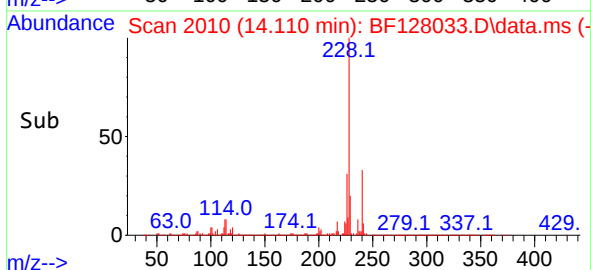
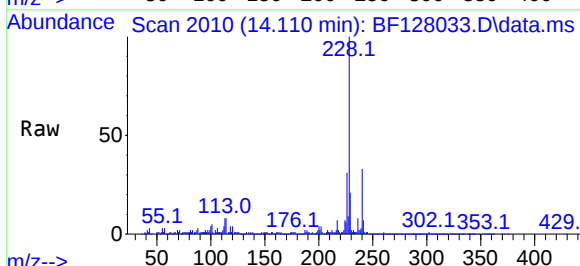
APPROVED

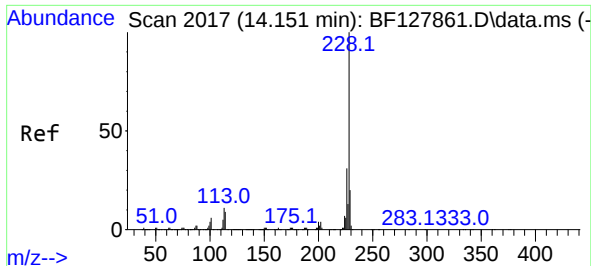
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#81
Benzo(a)anthracene
Concen: 21.588 ng
RT: 14.110 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

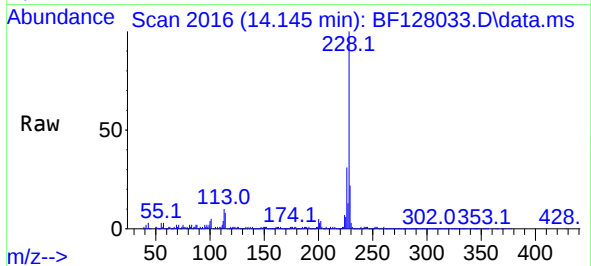
Tgt Ion:228 Resp: 341459
Ion Ratio Lower Upper
228 100
226 30.9 21.7 32.5
229 20.8 15.4 23.2





#83
Chrysene
Concen: 20.342 ng
RT: 14.145 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

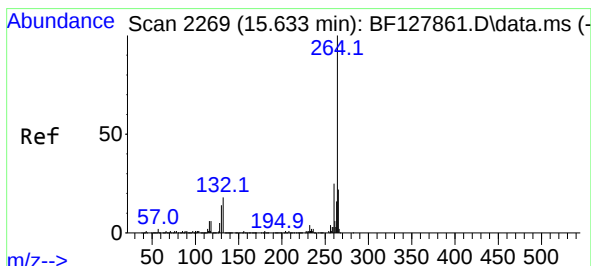
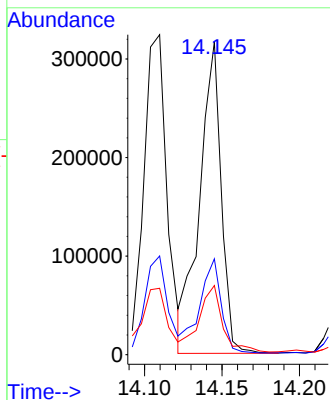
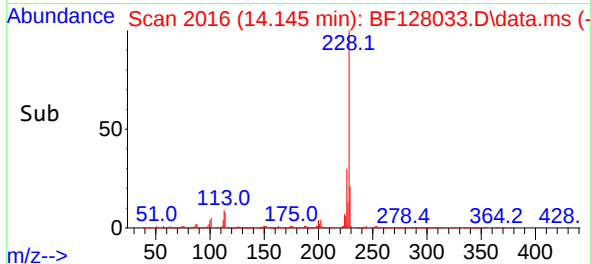
Instrument :
BNA_F
ClientSampleId :
HR-03-042822DL



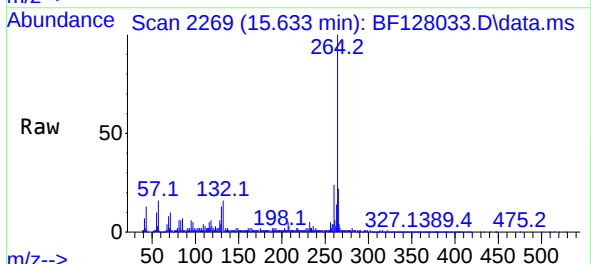
Tgt Ion:228 Resp: 307279
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.1 15.8 23.8

Manual Integrations
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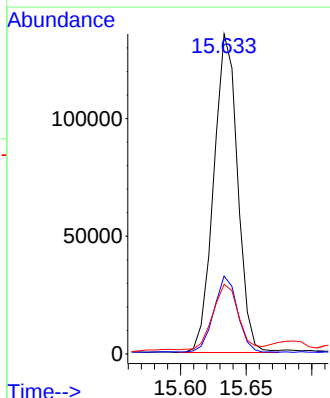
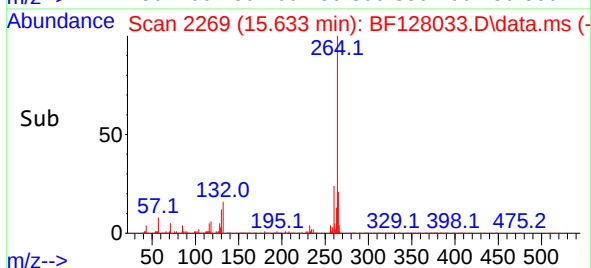
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022

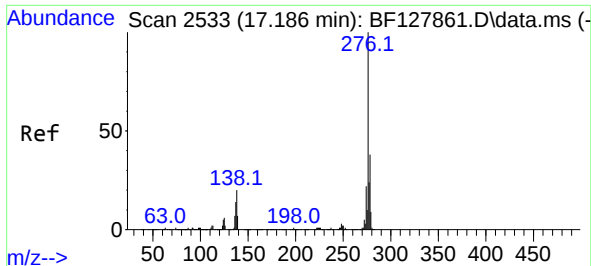


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2269
Delta R.T. 0.012 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39



Tgt Ion:264 Resp: 171559
Ion Ratio Lower Upper
264 100
260 24.3 20.1 30.1
265 21.8 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.617 ng
RT: 17.180 min Scan# 211
Delta R.T. 0.012 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Instrument :

BNA_F

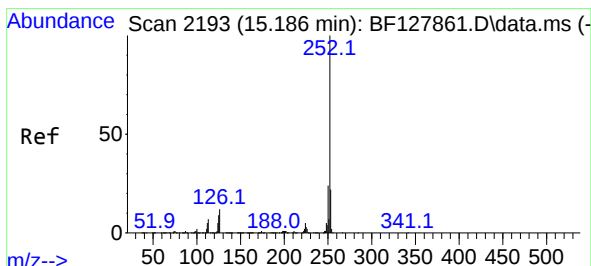
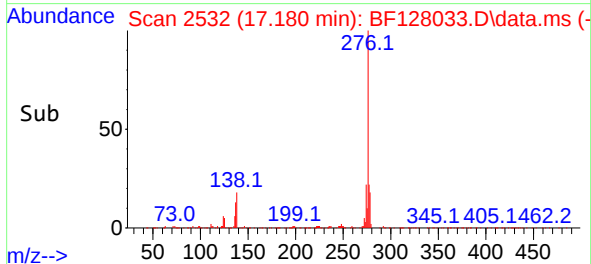
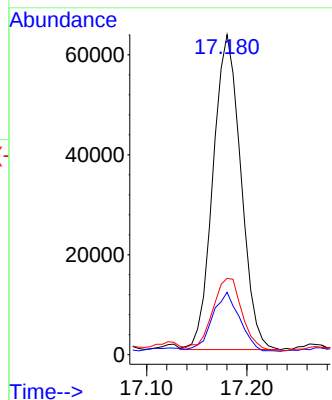
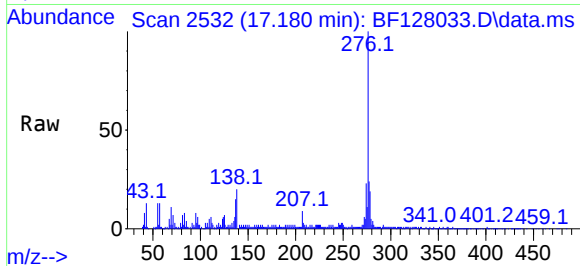
ClientSampleId :

HR-03-042822DL

Tgt Ion:276 Resp: 121574
Ion Ratio Lower Upper
276 100
138 18.5 19.0 28.4
277 24.5 20.1 30.1

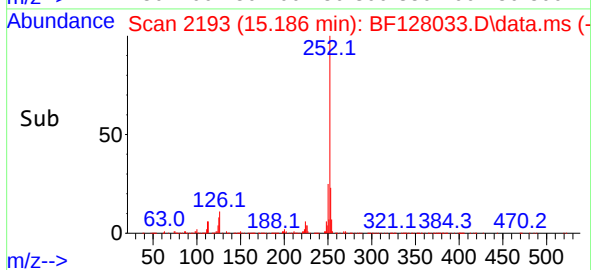
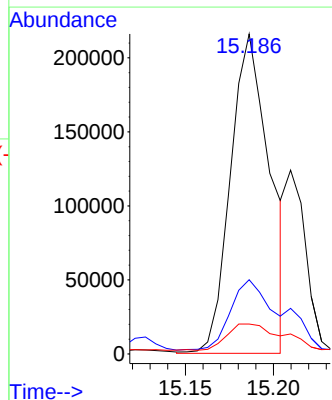
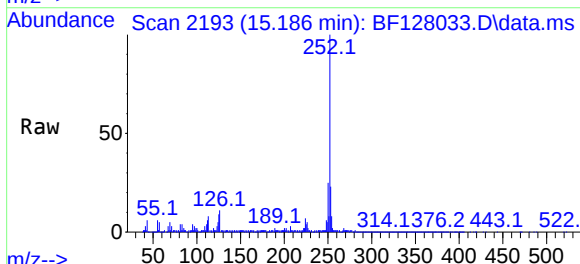
Manual Integrations
APPROVED

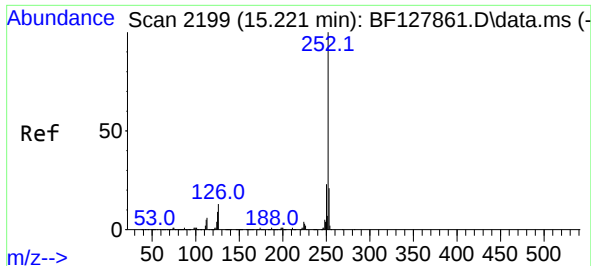
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#88
Benzo(b)fluoranthene
Concen: 30.967 ng m
RT: 15.186 min Scan# 2193
Delta R.T. 0.012 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Tgt Ion:252 Resp: 333681
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 9.4 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 8.763 ng m

RT: 15.210 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF128033.D

Acq: 02 May 2022 18:39

Instrument :

BNA_F

ClientSampleId :

HR-03-042822DL

Tgt Ion:252 Resp: 9513

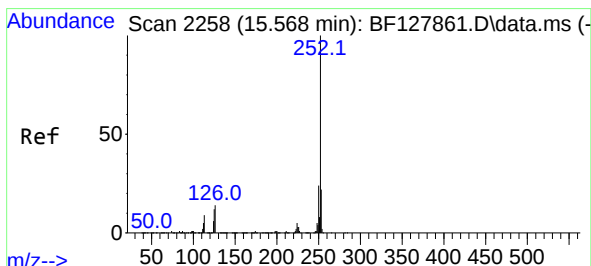
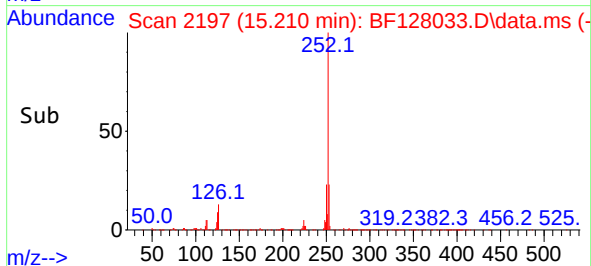
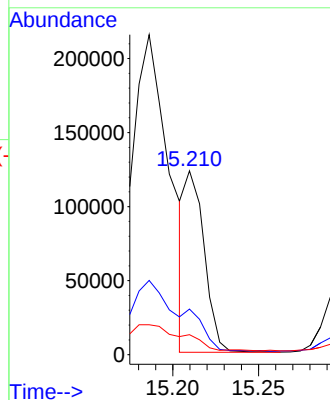
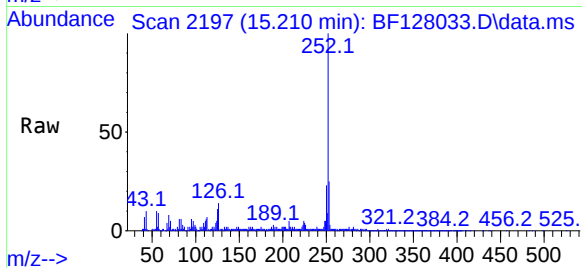
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.4
125	10.9	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2022

Supervised By :Jagrut Upadhyay 05/05/2022



#90

Benzo(a)pyrene

Concen: 25.689 ng

RT: 15.569 min Scan# 2258

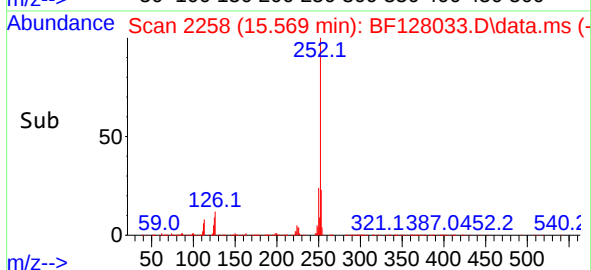
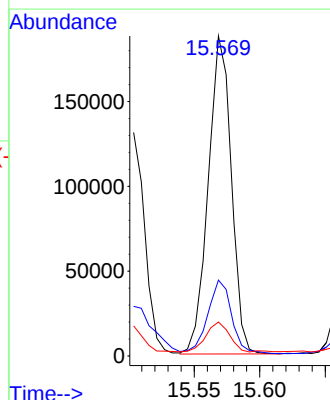
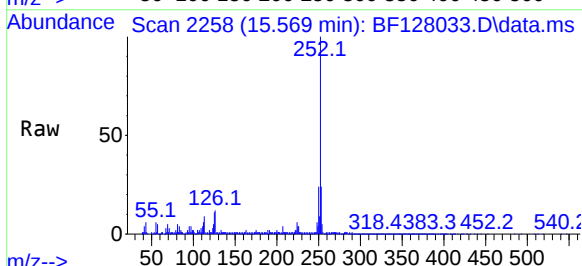
Delta R.T. 0.012 min

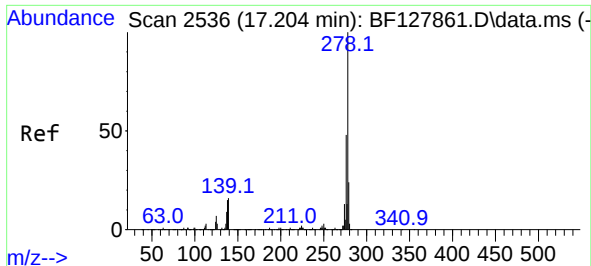
Lab File: BF128033.D

Acq: 02 May 2022 18:39

Tgt Ion:252 Resp: 229607

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	10.6	9.2	13.8





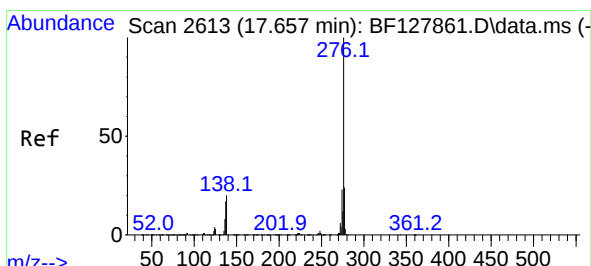
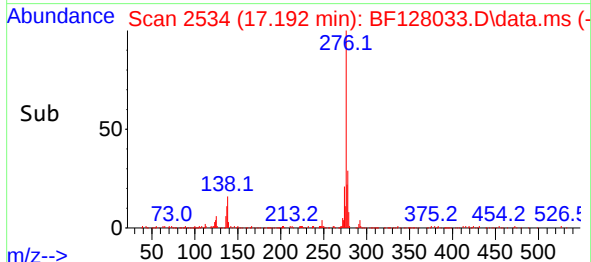
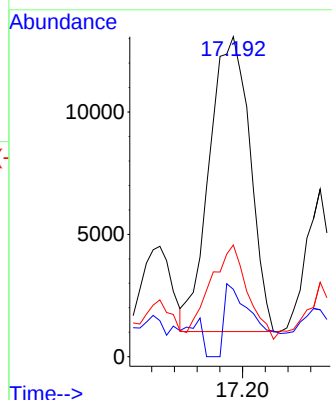
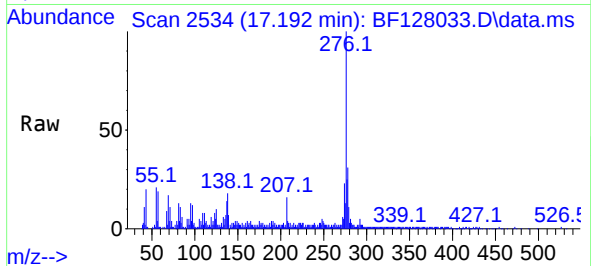
#91
Dibenzo(a,h)anthracene
Concen: 3.257 ng
RT: 17.192 min Scan# 2536
Delta R.T. 0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Instrument :
BNA_F
ClientSampleId :
HR-03-042822DL

Tgt Ion:	278	Resp:	2991
Ion Ratio	Lower	Upper	
278	100		
139	21.0	12.6	19.0
279	34.9	18.9	28.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#92
Benzo(g,h,i)perylene
Concen: 12.376 ng
RT: 17.651 min Scan# 2612
Delta R.T. 0.012 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Tgt Ion:	276	Resp:	119776
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.8	28.2
138	18.0	16.2	24.2

