

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
 Data File : BF132926.D
 Acq On : 19 Apr 2023 22:45
 Operator : CG\JU
 Sample : 02270-25
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-0-2-20230413

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/20/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

Quant Time: Apr 20 01:52:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 04:51:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	277699	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	1155770	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	620398	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	1099044	20.000	ng	0.00
76) Chrysene-d12	13.915	240	632500	20.000	ng	-0.01
86) Perylene-d12	15.345	264	649855	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1356831	76.401	ng	0.00
7) Phenol-d6	6.387	99	1775068	78.329	ng	-0.01
23) Nitrobenzene-d5	7.322	82	1116154	50.338	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	479989	77.136	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	2022598	50.083	ng	-0.01
79) Terphenyl-d14	12.868	244	2191146	59.103	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.304	178	331714	5.611	ng	98
75) Fluoranthene	12.492	202	501079	8.523	ng	98
78) Pyrene	12.716	202	436398	8.438	ng	99
81) Benzo(a)anthracene	13.904	228	181874	4.228	ng	98
83) Chrysene	13.939	228	174865	4.090	ng	99
84) Bis(2-ethylhexyl)phtha...	13.910	149	113707	6.950	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.727	276	89178	2.402	ng	95
88) Benzo(b)fluoranthene	14.933	252	219691m	5.427	ng	
90) Benzo(a)pyrene	15.280	252	152561	4.125	ng	98
92) Benzo(g,h,i)perylene	17.145	276	80803	2.667	ng	94

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

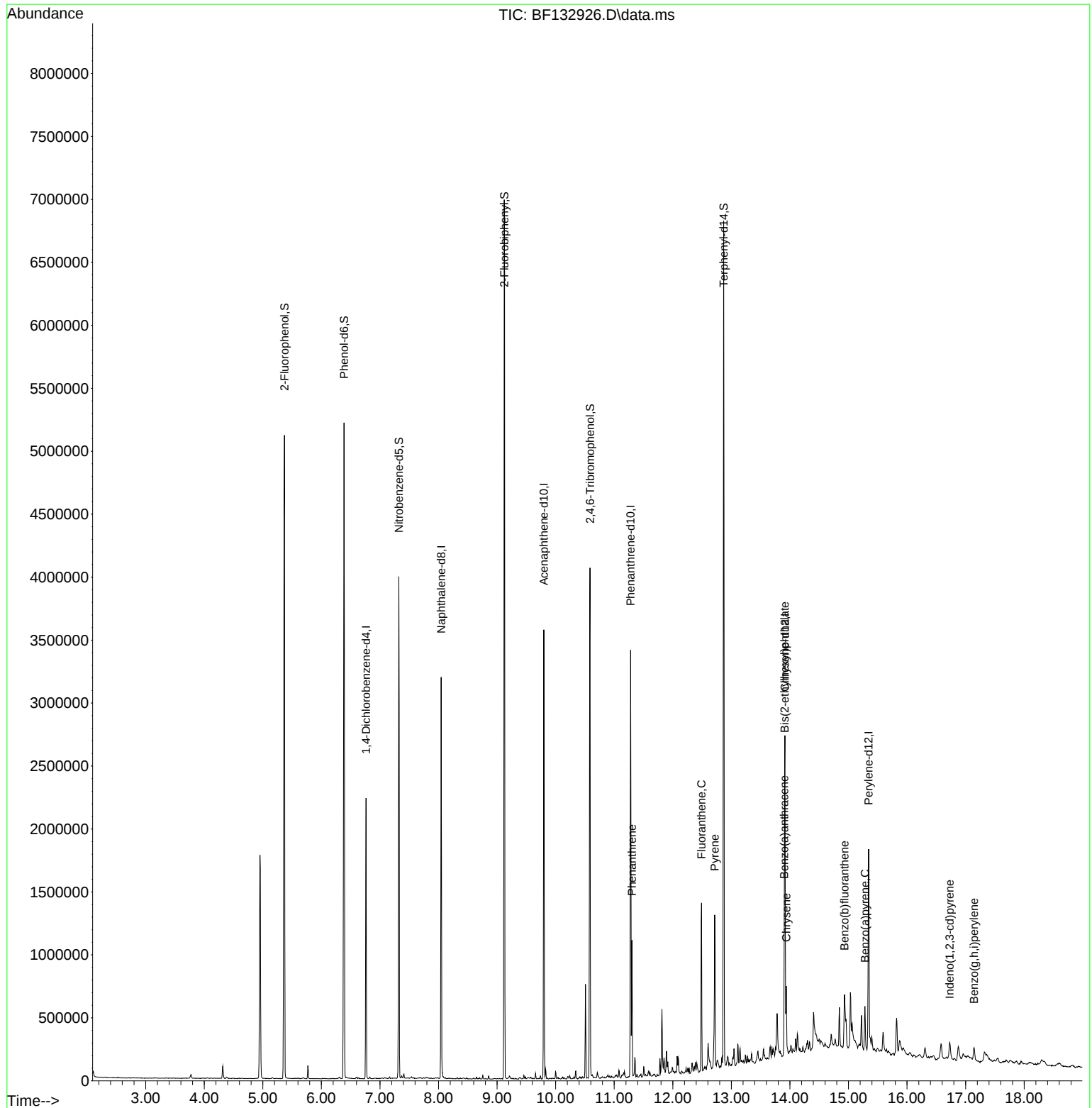
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132926.D
Acq On : 19 Apr 2023 22:45
Operator : CG\JU
Sample : 02270-25
Misc :
ALS Vial : 14 Sample Multiplier: 1

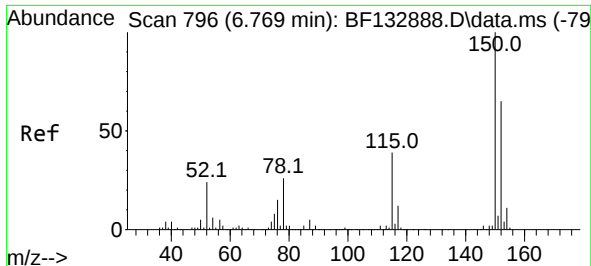
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Quant Time: Apr 20 01:52:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 18 04:51:21 2023
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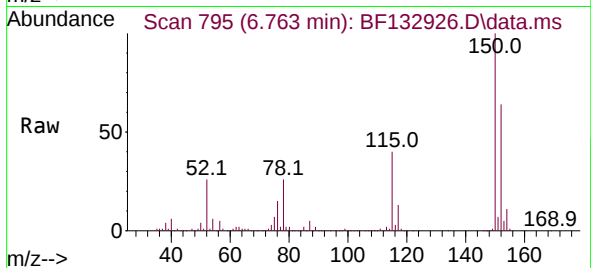
Reviewed By : Christian Giraldo 04/20/2023
Supervised By : Jagrut Upadhyay 04/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

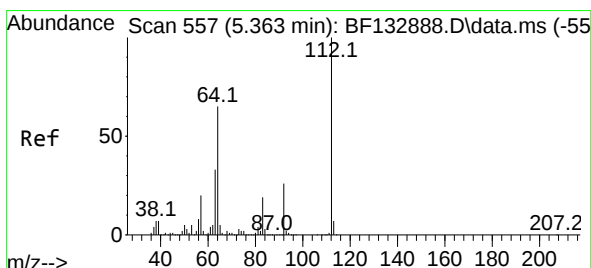
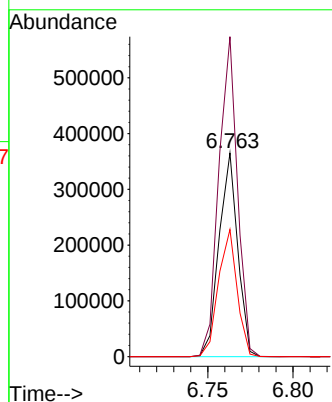
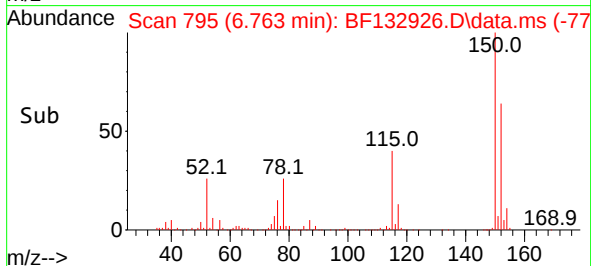
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413



Tgt Ion:152 Resp: 277699
Ion Ratio Lower Upper
152 100
150 157.2 122.8 184.2
115 62.4 47.3 70.9

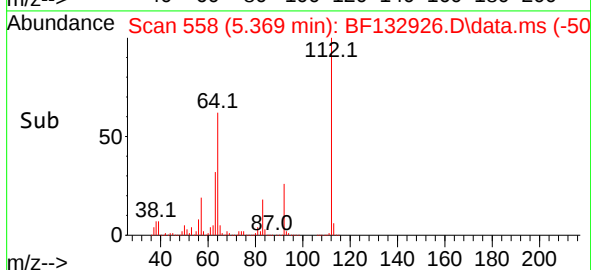
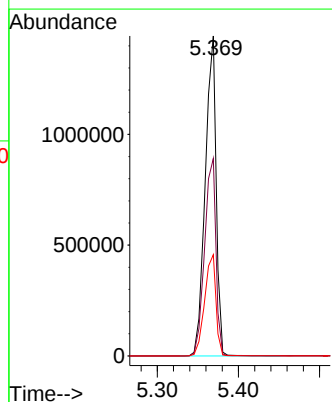
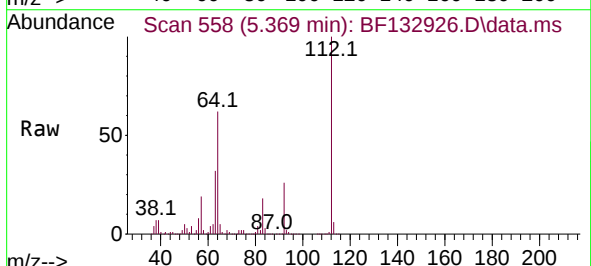
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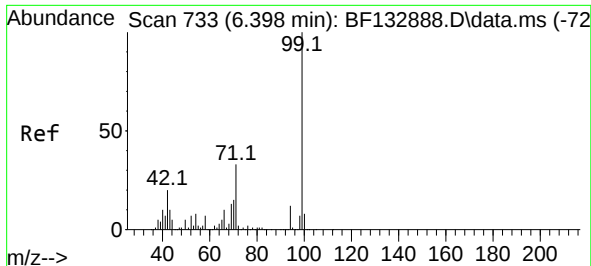
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#5
2-Fluorophenol
Concen: 76.401 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

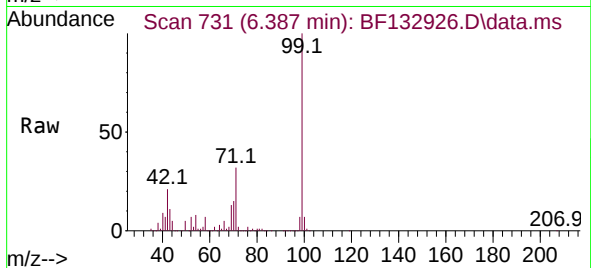
Tgt Ion:112 Resp: 1356831
Ion Ratio Lower Upper
112 100
64 61.7 51.8 77.8
63 31.6 26.3 39.5





#7
Phenol-d6
Concen: 78.329 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

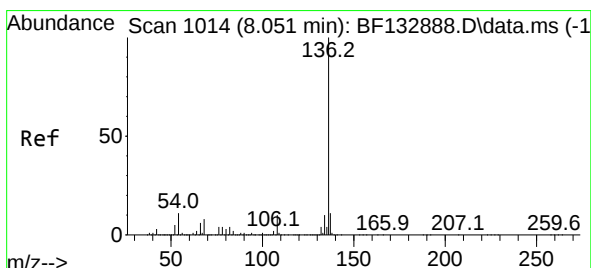
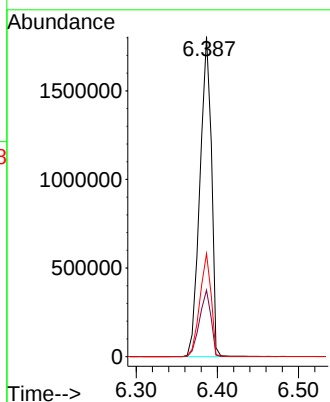
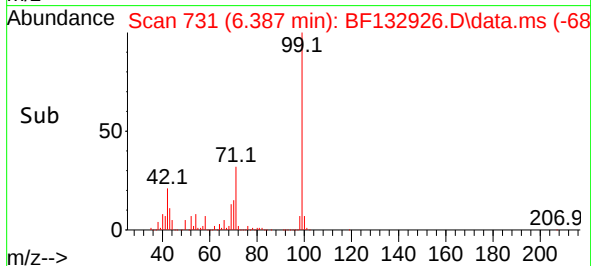
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413



Tgt Ion: 99 Resp: 1775068
Ion Ratio Lower Upper
99 100
42 20.8 16.1 24.1
71 32.2 26.1 39.1

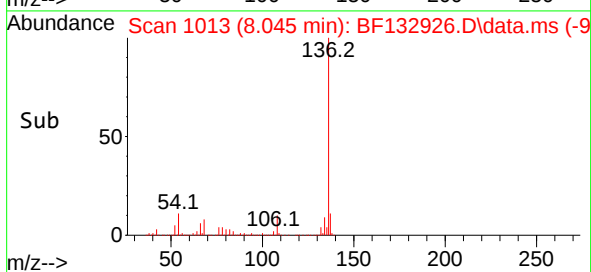
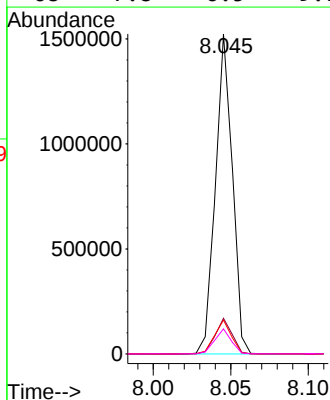
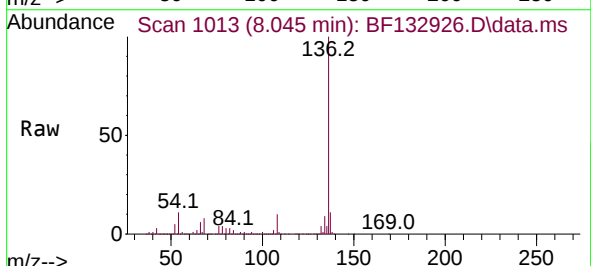
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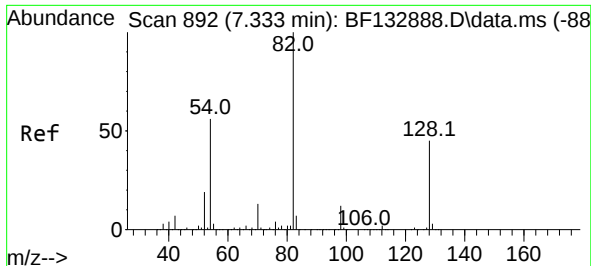
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

Tgt Ion:136 Resp: 1155770
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 10.6 8.9 13.3
68 7.8 6.5 9.7





#23

Nitrobenzene-d5

Concen: 50.338 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF132926.D

Acq: 19 Apr 2023 22:45

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413

Tgt Ion: 82 Resp: 1116154

Ion Ratio Lower Upper

82 100

128 44.3 35.7 53.5

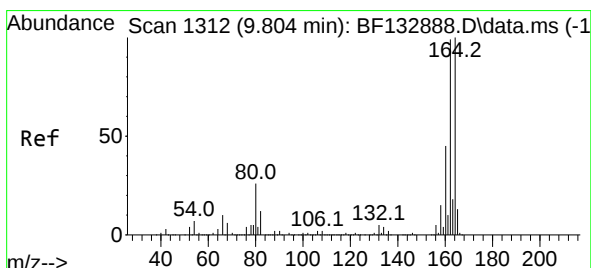
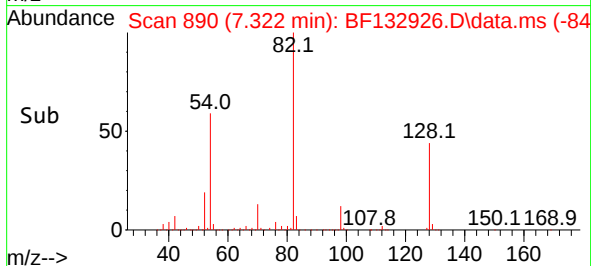
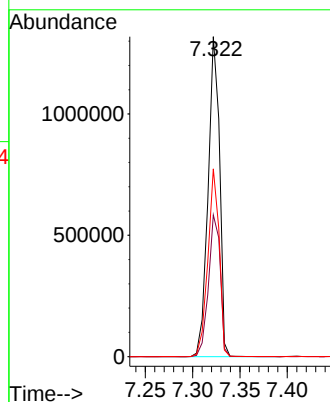
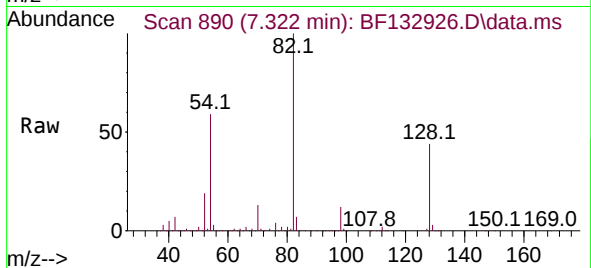
54 58.7 44.7 67.1

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Supervised By :Jagrut Upadhyay 04/24/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF132926.D

Acq: 19 Apr 2023 22:45

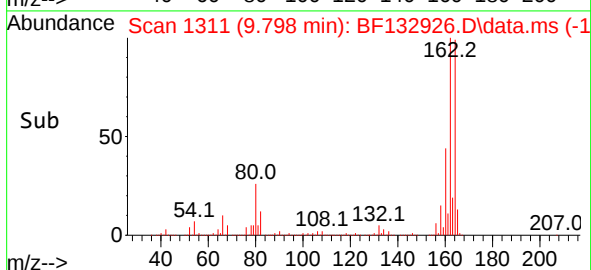
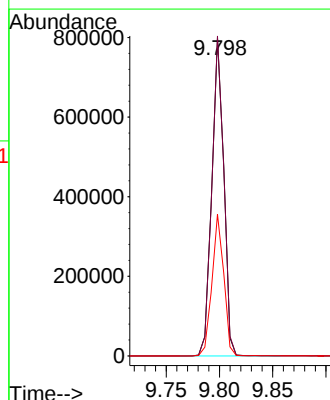
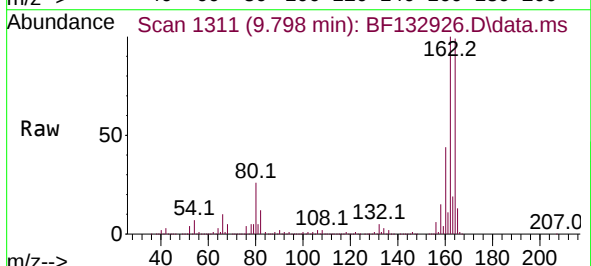
Tgt Ion:164 Resp: 620398

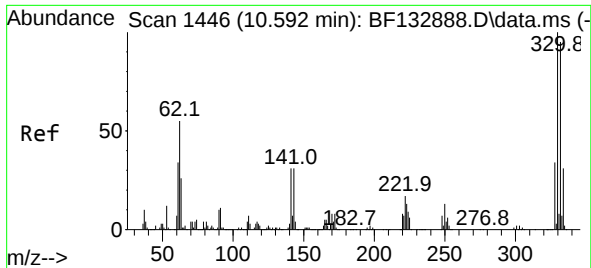
Ion Ratio Lower Upper

164 100

162 100.6 79.1 118.7

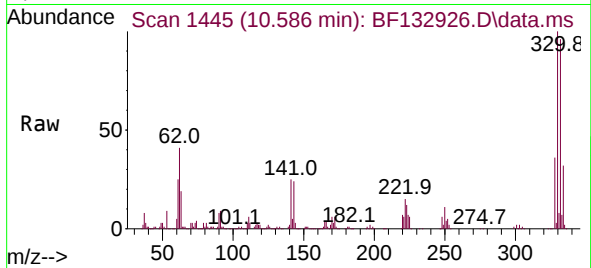
160 44.5 35.6 53.4





#42
 2,4,6-Tribromophenol
 Concen: 77.136 ng
 RT: 10.586 min Scan# 1445
 Delta R.T. -0.006 min
 Lab File: BF132926.D
 Acq: 19 Apr 2023 22:45

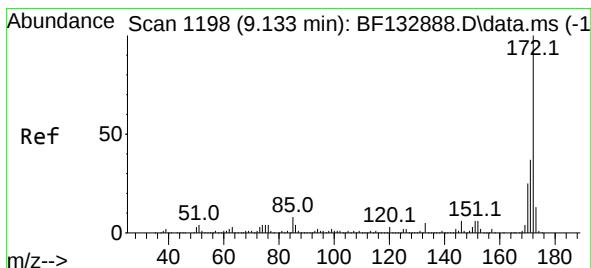
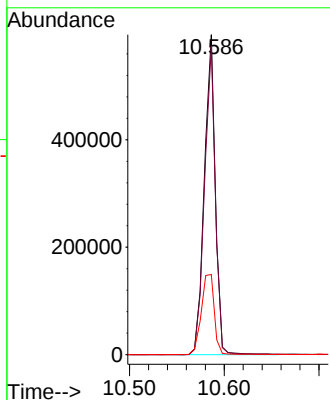
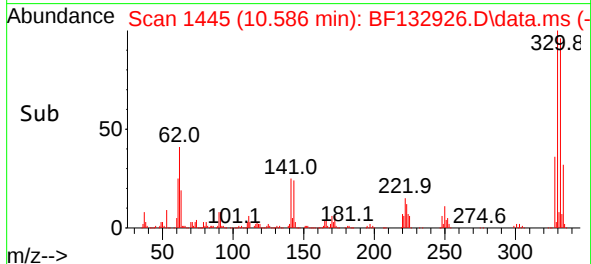
Instrument :
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 ClientSampleId :
 SB-16-0-2-20230413



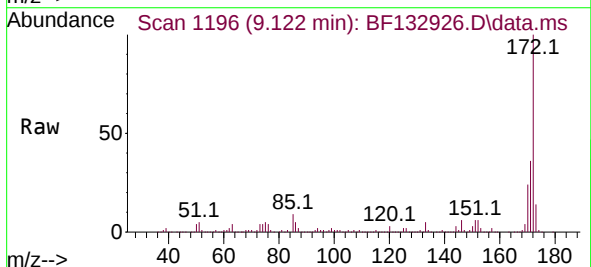
Tgt Ion: 330 Resp: 479989
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.3 114.5
 141 29.6 23.9 35.9

Manual Integrations
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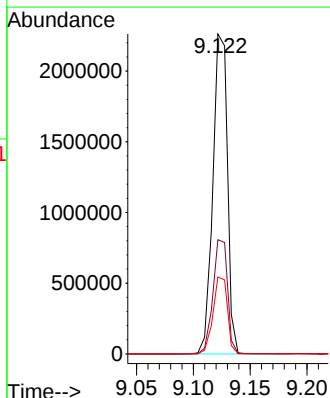
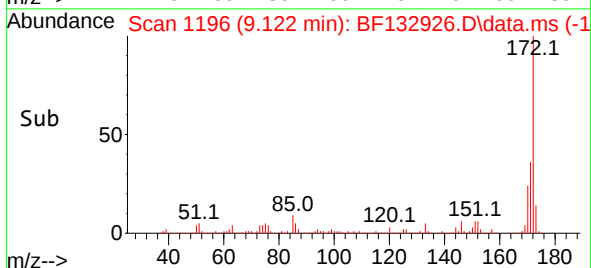
Reviewed By : Christian Giraldo 04/20/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

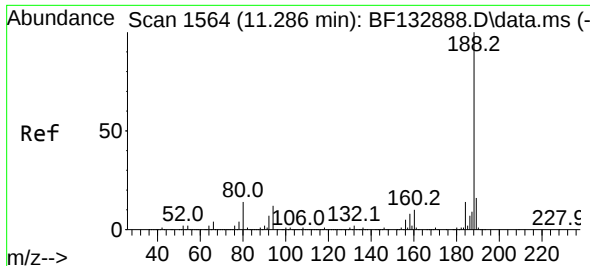


#45
 2-Fluorobiphenyl
 Concen: 50.083 ng
 RT: 9.122 min Scan# 1196
 Delta R.T. -0.012 min
 Lab File: BF132926.D
 Acq: 19 Apr 2023 22:45



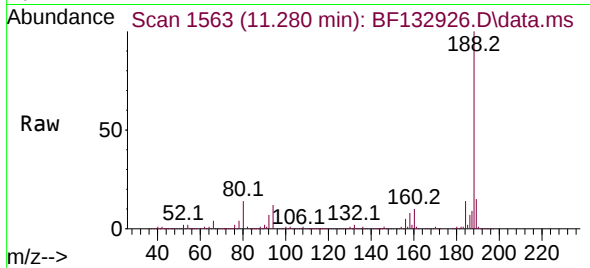
Tgt Ion: 172 Resp: 2022598
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 24.0 20.1 30.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

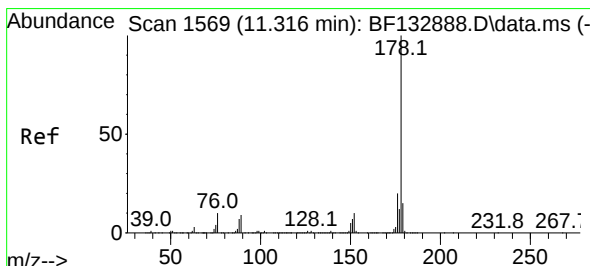
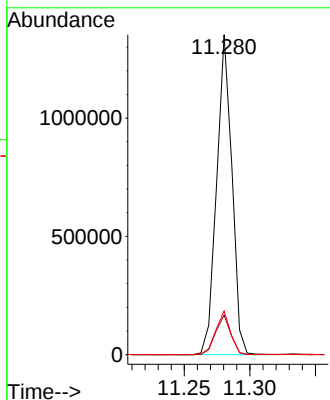
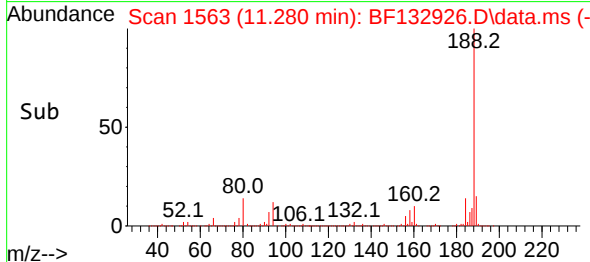
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413



Tgt Ion:188 Resp: 1099044
Ion Ratio Lower Upper
188 100
94 12.3 9.9 14.9
80 13.6 10.8 16.2

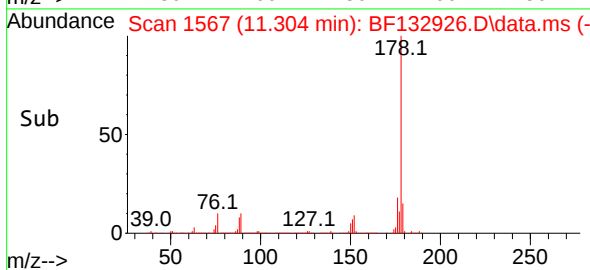
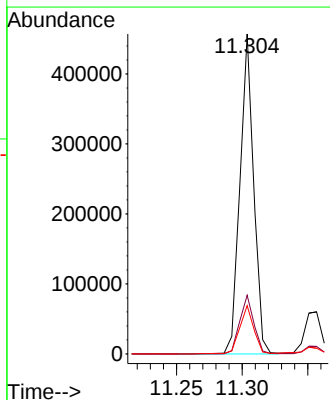
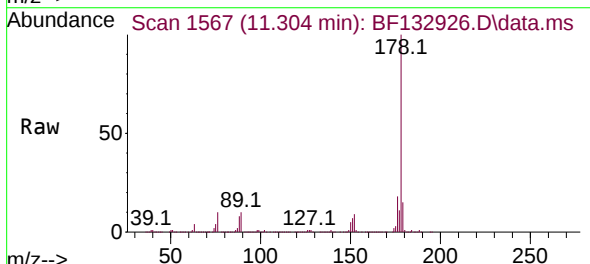
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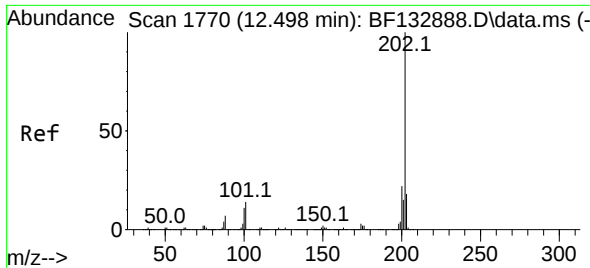
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#71
Phenanthrene
Concen: 5.611 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

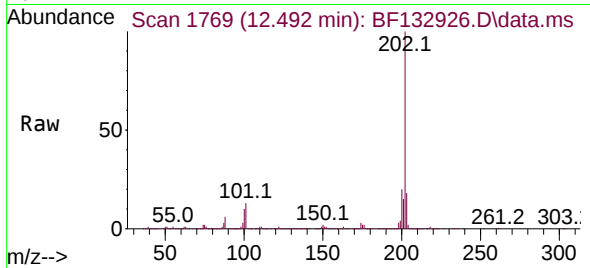
Tgt Ion:178 Resp: 331714
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 15.1 12.3 18.5





#75
Fluoranthene
Concen: 8.523 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

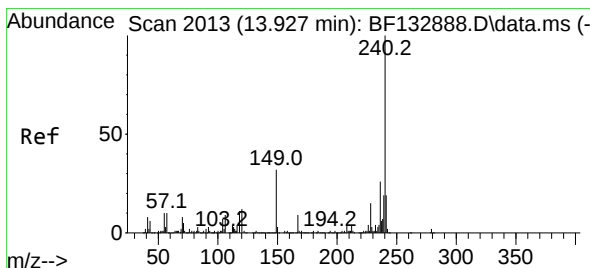
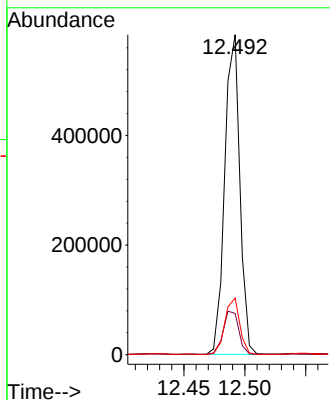
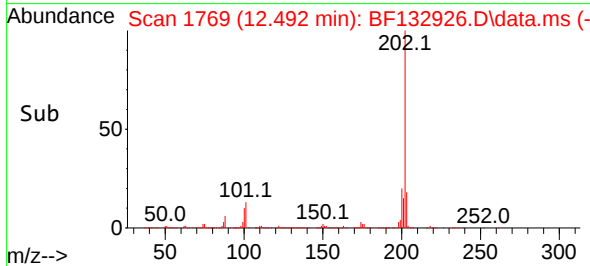
Instrument :
BNA_F
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SB-16-0-2-20230413



Tgt Ion:202 Resp: 501079
Ion Ratio Lower Upper
202 100
101 12.9 0.0 34.5
203 17.7 0.0 38.2

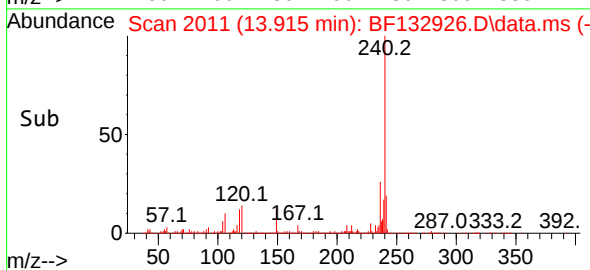
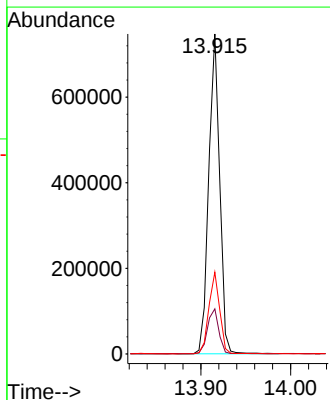
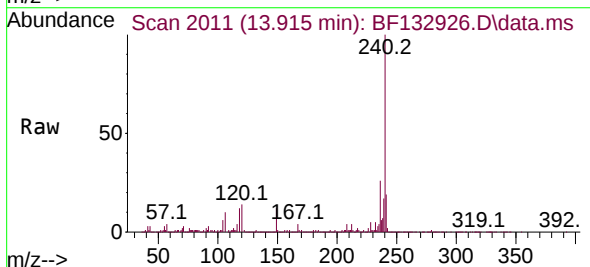
Manual Integrations
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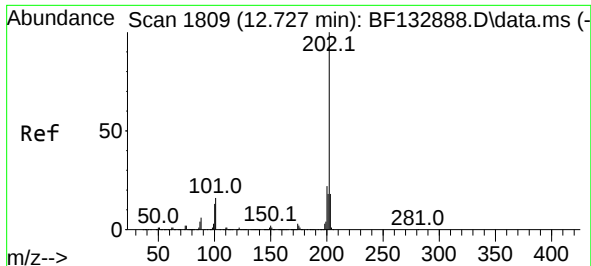
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.915 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

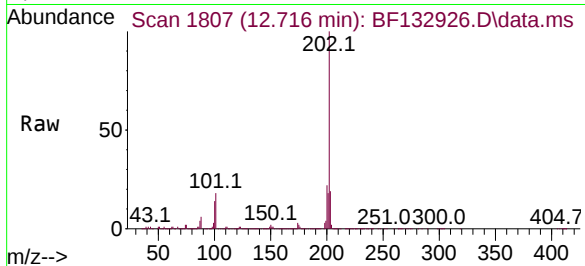
Tgt Ion:240 Resp: 632500
Ion Ratio Lower Upper
240 100
120 14.1 10.0 15.0
236 25.5 20.8 31.2





#78
 Pyrene
 Concen: 8.438 ng
 RT: 12.716 min Scan# 1807
 Delta R.T. -0.012 min
 Lab File: BF132926.D
 Acq: 19 Apr 2023 22:45

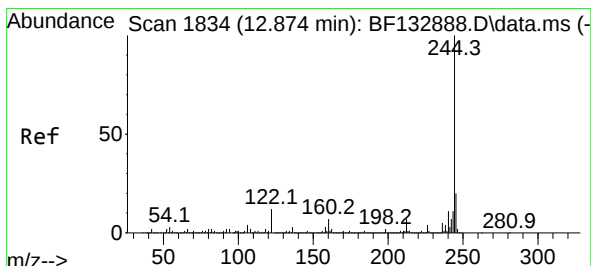
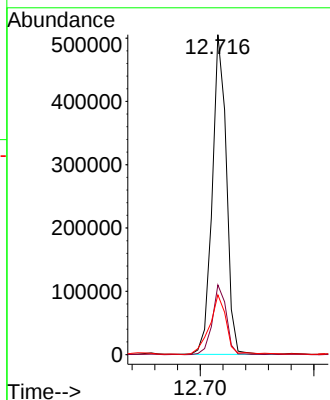
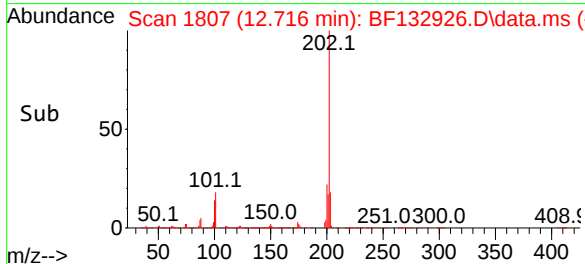
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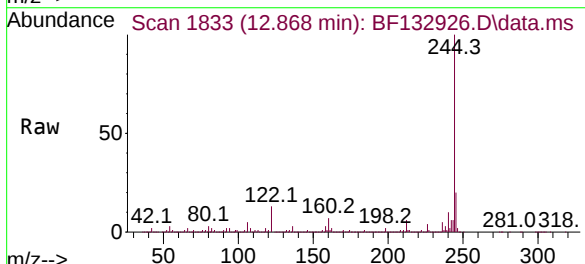
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 Ion Ratio Lower Upper
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 200 21.8 17.6 26.4
 203 18.7 14.6 22.0

Manual Integrations
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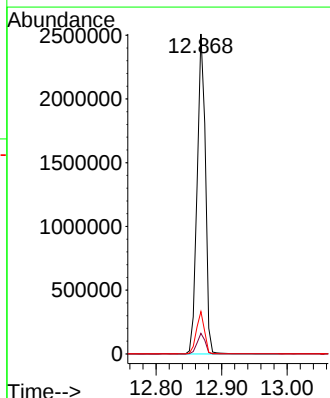
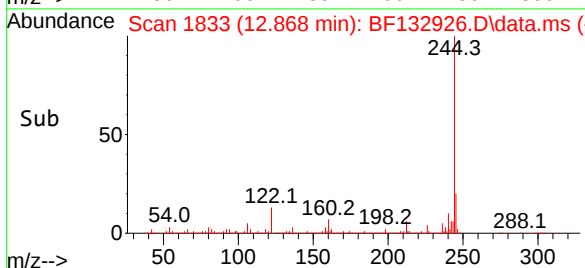
Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/24/2023

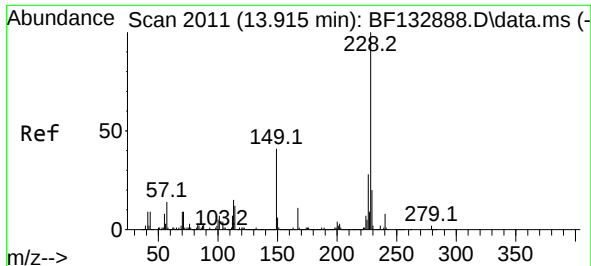


#79
 Terphenyl-d14
 Concen: 59.103 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. -0.006 min
 Lab File: BF132926.D
 Acq: 19 Apr 2023 22:45



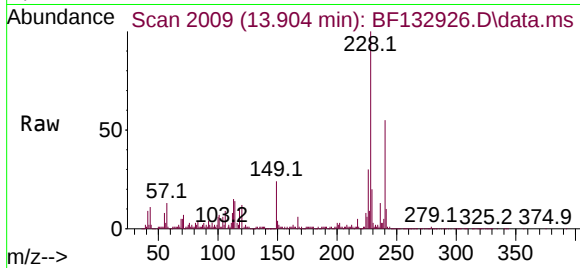
Tgt Ion:244 Resp: 2191146
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 13.2 9.6 14.4





#81
Benzo(a)anthracene
Concen: 4.228 ng
RT: 13.904 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

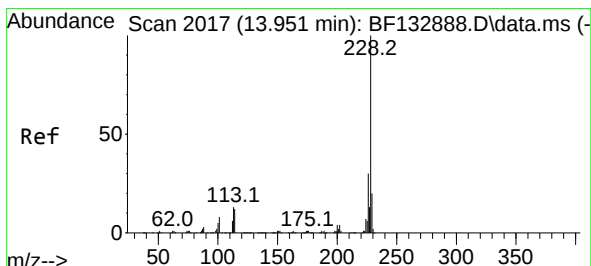
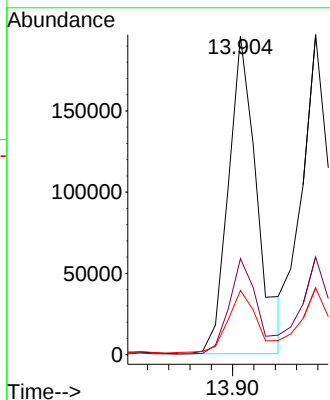
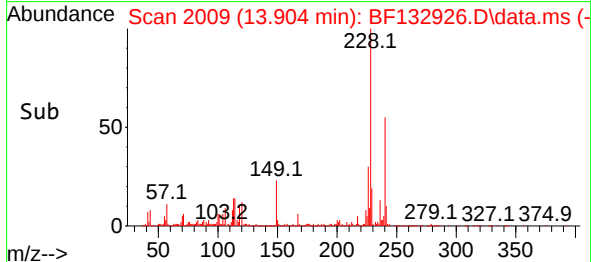
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413



Tgt Ion:228 Resp: 181874
Ion Ratio Lower Upper
228 100
226 30.1 22.4 33.6
229 20.1 16.2 24.2

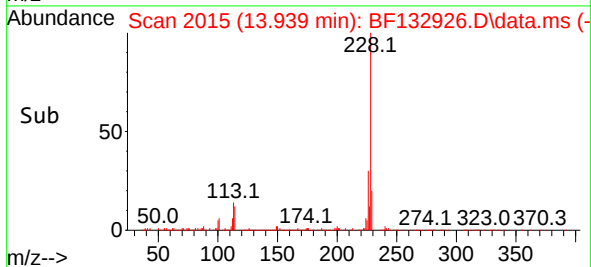
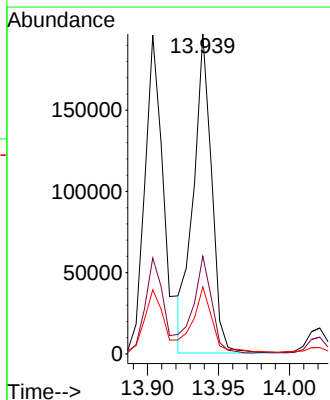
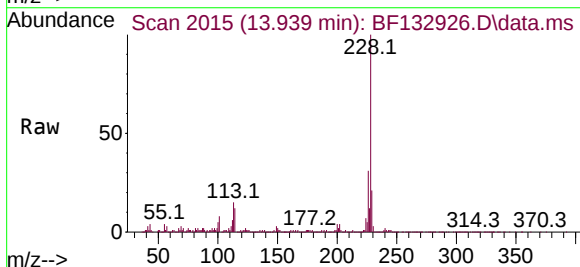
Manual Integrations
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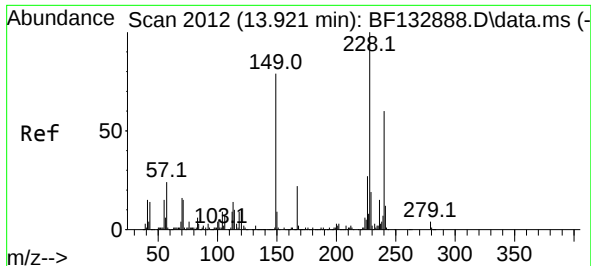
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#83
Chrysene
Concen: 4.090 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

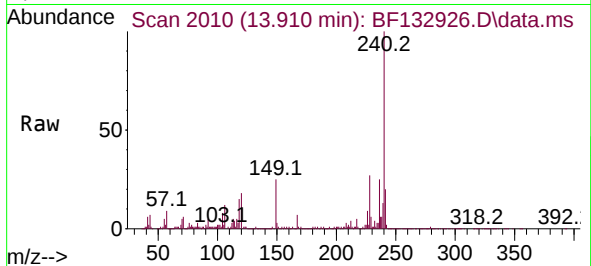
Tgt Ion:228 Resp: 174865
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 20.9 16.2 24.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 6.950 ng
RT: 13.910 min Scan# 2012
Delta R.T. -0.011 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

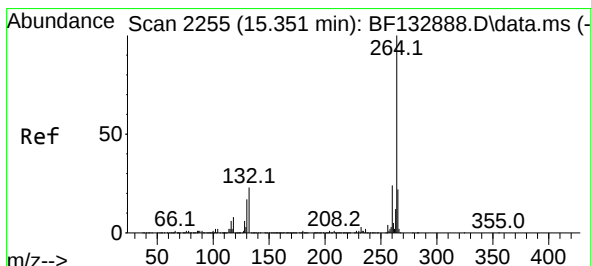
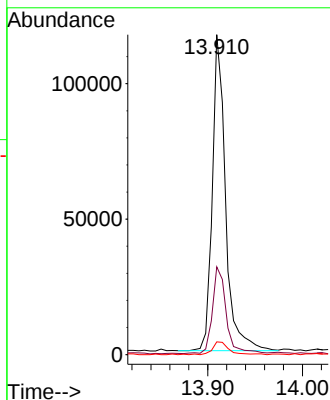
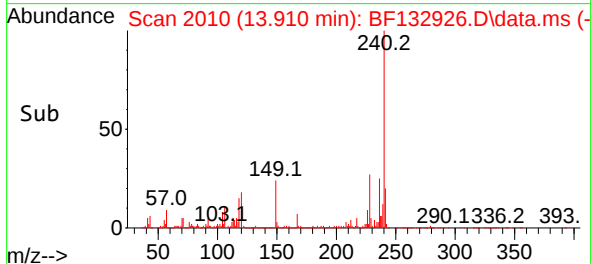
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413



Tgt Ion:149 Resp: 113707
Ion Ratio Lower Upper
149 100
167 27.4 22.2 33.4
279 4.0 4.2 6.2

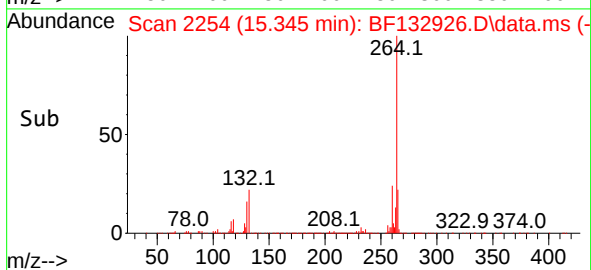
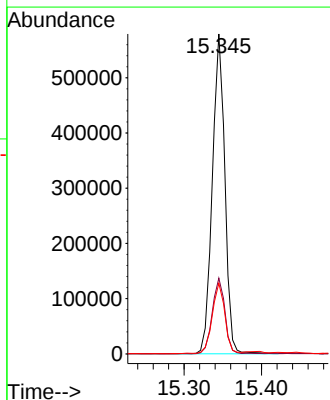
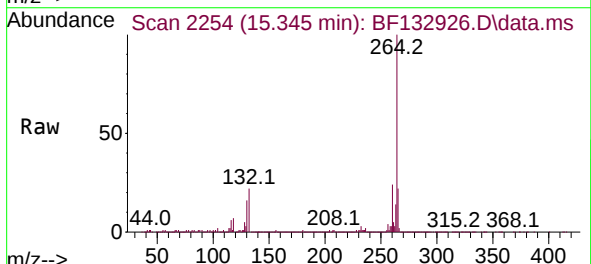
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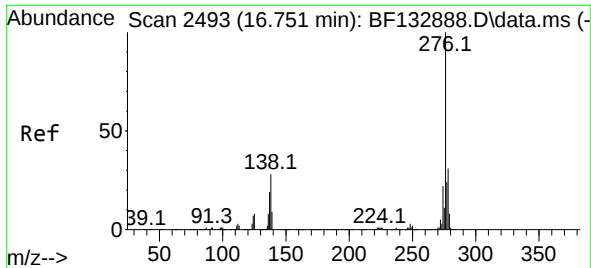
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.345 min Scan# 2254
Delta R.T. -0.006 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

Tgt Ion:264 Resp: 649855
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 22.1 17.7 26.5





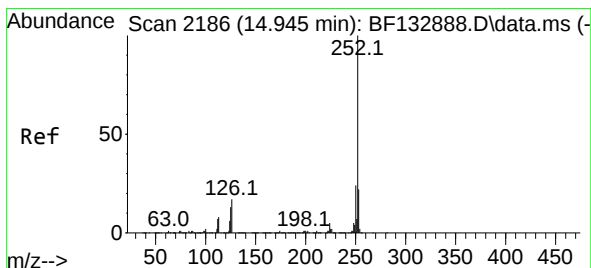
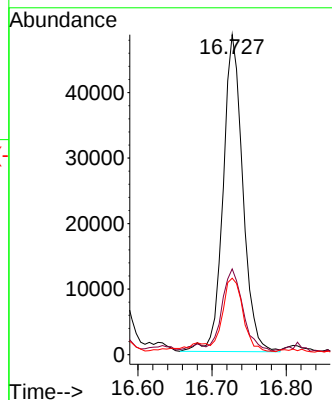
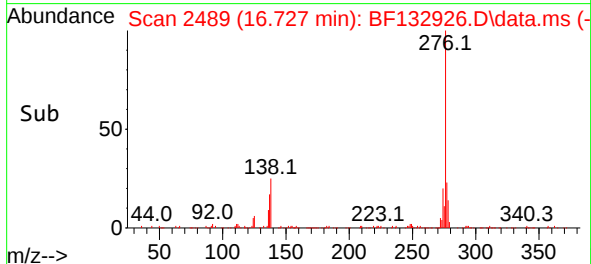
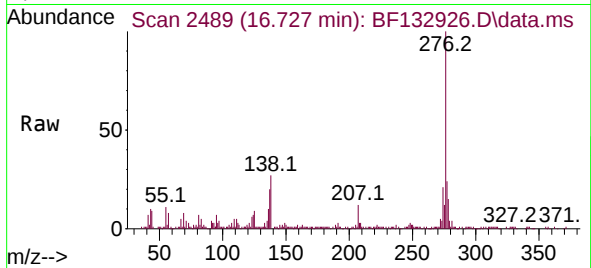
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.402 ng
RT: 16.727 min Scan# 2493
Delta R.T. -0.024 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413

Tgt Ion:276 Resp: 89178
Ion Ratio Lower Upper
276 100
138 27.9 25.5 38.3
277 23.9 20.3 30.5

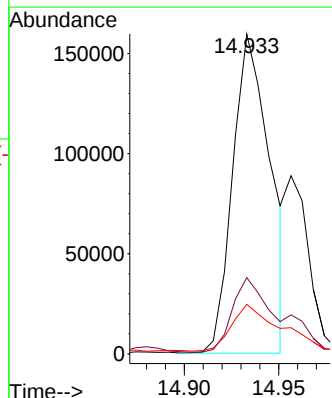
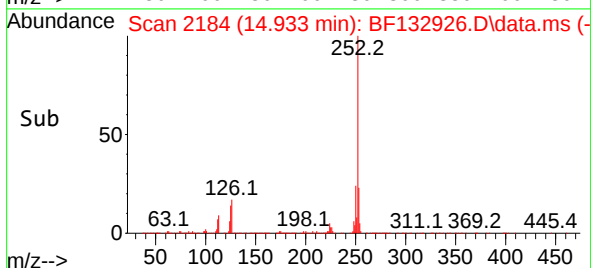
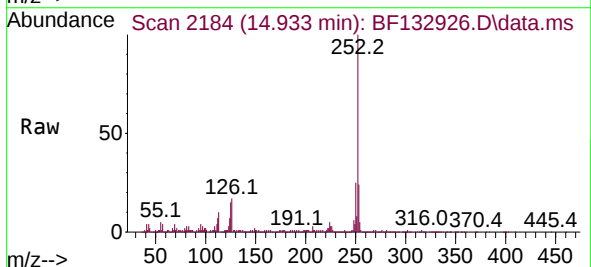
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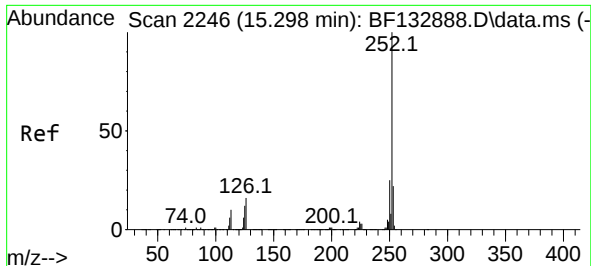
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#88
Benzo(b)fluoranthene
Concen: 5.427 ng m
RT: 14.933 min Scan# 2184
Delta R.T. -0.012 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

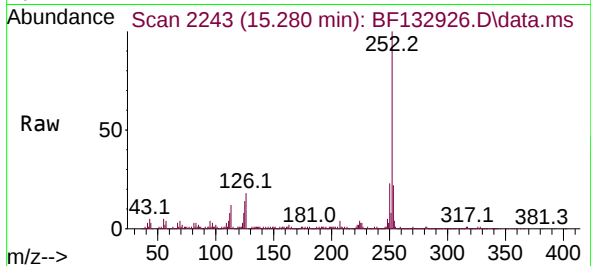
Tgt Ion:252 Resp: 219691
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 15.5 10.0 15.0#





#90
Benzo(a)pyrene
Concen: 4.125 ng
RT: 15.280 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

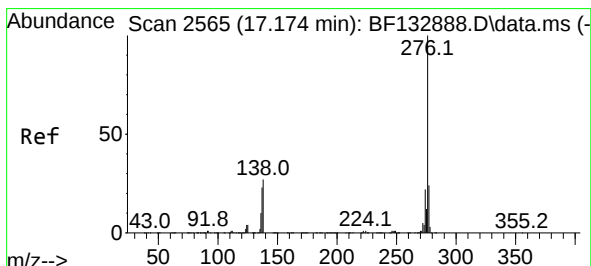
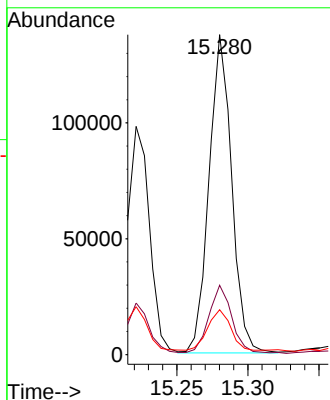
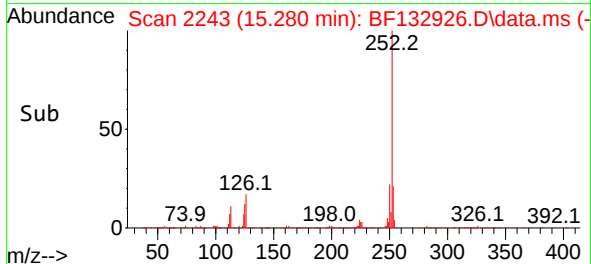
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413



Tgt Ion:252 Resp: 152561
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 14.0 9.9 14.9

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Supervised By :Jagrut Upadhyay 04/24/2023



#92
Benzo(g,h,i)perylene
Concen: 2.667 ng
RT: 17.145 min Scan# 2560
Delta R.T. -0.029 min
Lab File: BF132926.D
Acq: 19 Apr 2023 22:45

Tgt Ion:276 Resp: 80803
Ion Ratio Lower Upper
276 100
277 26.7 18.9 28.3
138 29.6 21.7 32.5

