

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133427.D
 Acq On : 17 May 2023 22:26
 Operator : CG\JU
 Sample : 02812-16 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B2-0-10

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/18/2023
 Supervised By : Jagrut Upadhyay 05/18/2023

Quant Time: May 18 04:06:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	236377	20.000	ng	0.00
21) Naphthalene-d8	7.998	136	940495	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	434550	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	623149	20.000	ng	-0.01
76) Chrysene-d12	13.874	240	479847	20.000	ng	-0.01
86) Perylene-d12	15.298	264	440628	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	328608	21.000	ng	-0.01
7) Phenol-d6	6.357	99	402205	20.709	ng	-0.01
23) Nitrobenzene-d5	7.275	82	236351	13.565	ng	-0.02
42) 2,4,6-Tribromophenol	10.539	330	66026	15.108	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	502002	19.327	ng	-0.01
79) Terphenyl-d14	12.816	244	358969	12.902	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	9.780	154	83589	3.097	ng	98
58) Fluorene	10.298	166	71824	2.663	ng	98
71) Phenanthrene	11.257	178	915988	27.349	ng	99
72) Anthracene	11.310	178	112589	3.285	ng	98
75) Fluoranthene	12.445	202	492821	14.661	ng	98
78) Pyrene	12.674	202	738019	17.942	ng	99
81) Benzo(a)anthracene	13.862	228	277930	8.423	ng	100
83) Chrysene	13.898	228	289497m	8.775	ng	
87) Indeno(1,2,3-cd)pyrene	16.668	276	52088	2.078	ng	94
88) Benzo(b)fluoranthene	14.892	252	206275m	7.358	ng	
90) Benzo(a)pyrene	15.233	252	171705	6.730	ng	97
92) Benzo(g,h,i)perylene	17.086	276	52820	2.559	ng	96

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

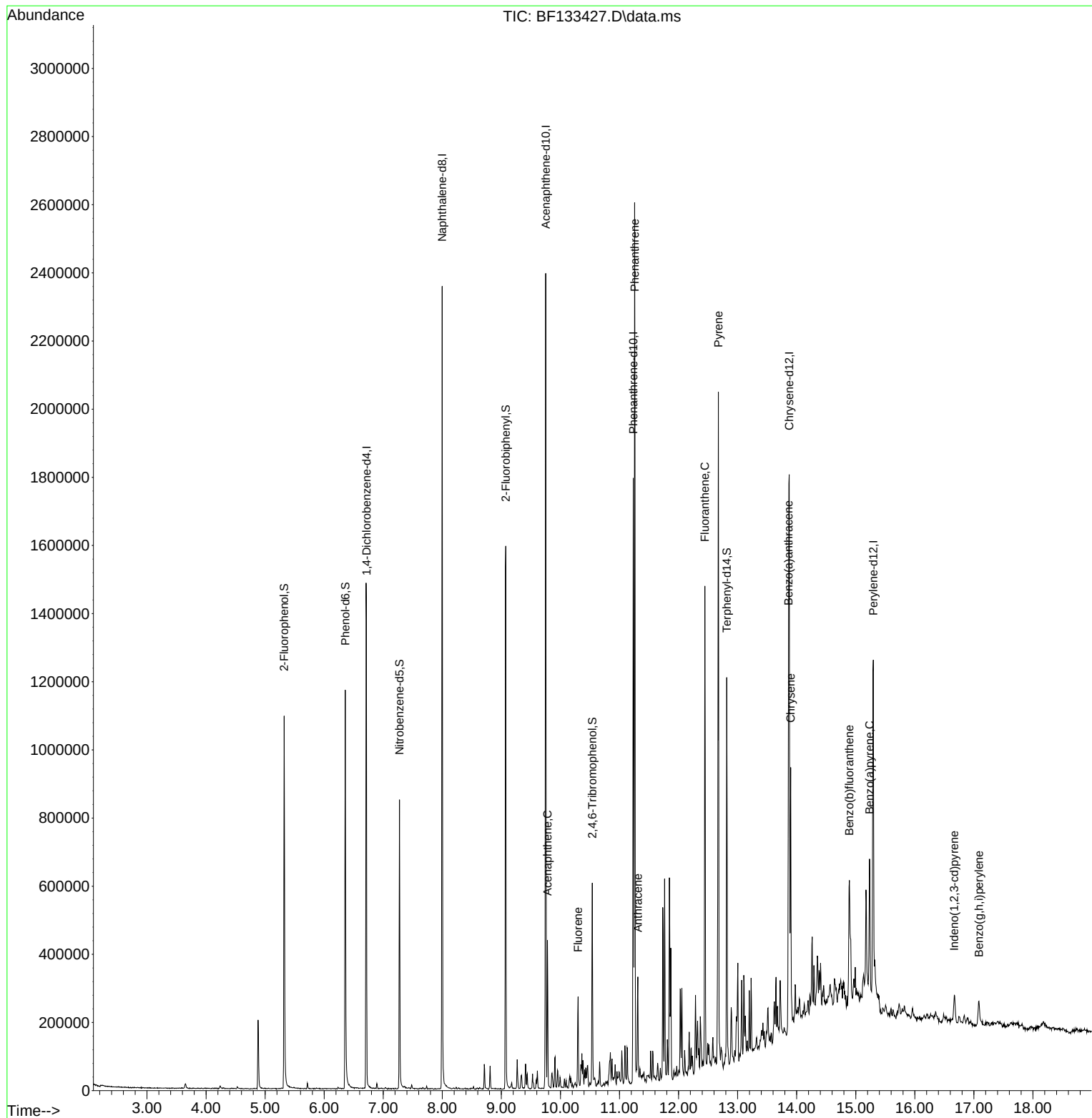
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
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ALS Vial : 20 Sample Multiplier: 1

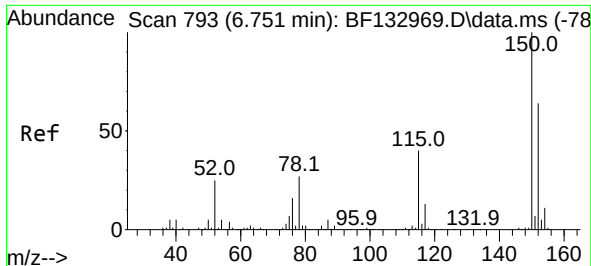
Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10

Quant Time: May 18 04:06:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 16 14:39:29 2023
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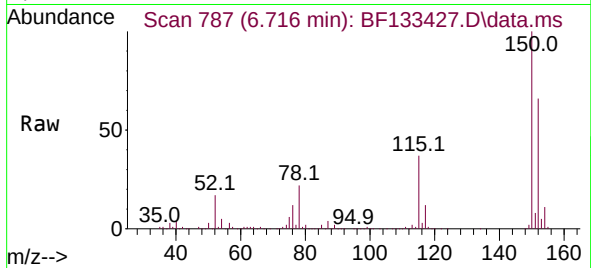
Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

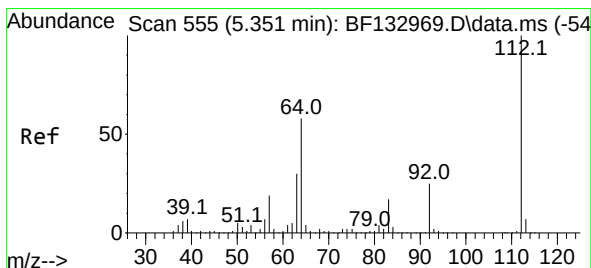
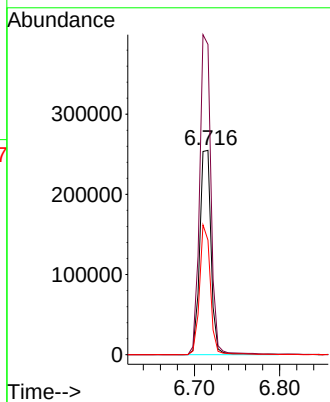
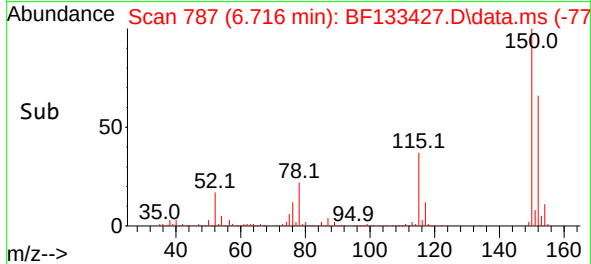
Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10



Tgt Ion:152 Resp: 23637
Ion Ratio Lower Upper
152 100
150 151.8 124.8 187.2
115 56.0 49.9 74.9

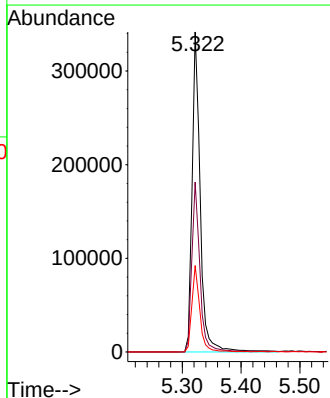
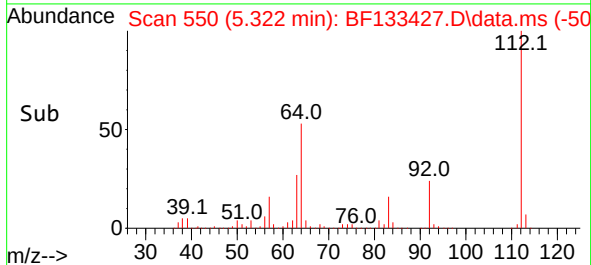
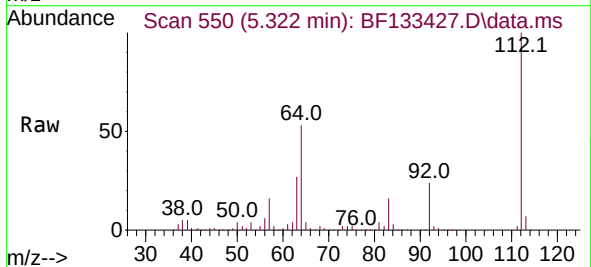
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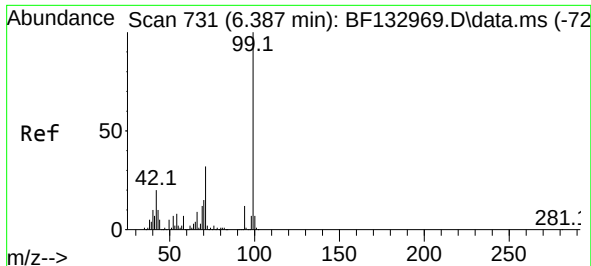
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#5
2-Fluorophenol
Concen: 21.000 ng
RT: 5.322 min Scan# 550
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

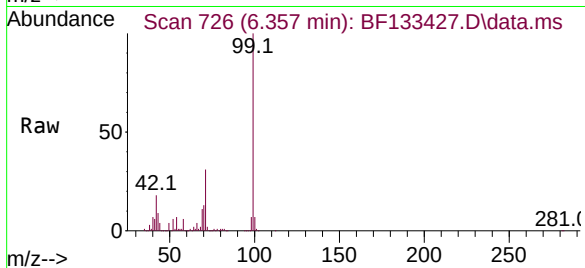
Tgt Ion:112 Resp: 328608
Ion Ratio Lower Upper
112 100
64 53.1 46.8 70.2
63 27.0 23.8 35.8





#7
Phenol-d6
Concen: 20.709 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

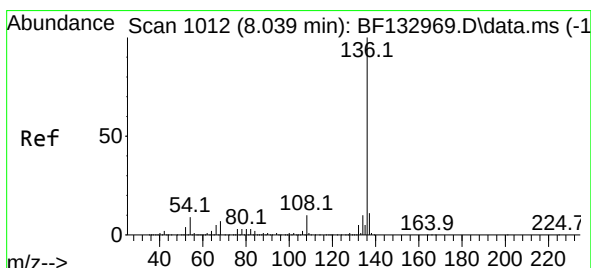
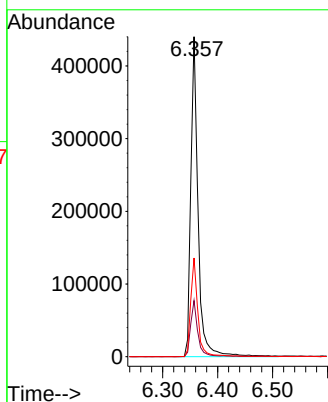
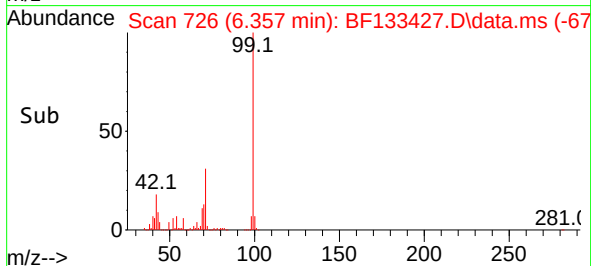
Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10



Tgt Ion: 99 Resp: 402205
Ion Ratio Lower Upper
99 100
42 17.6 16.3 24.5
71 30.8 25.6 38.4

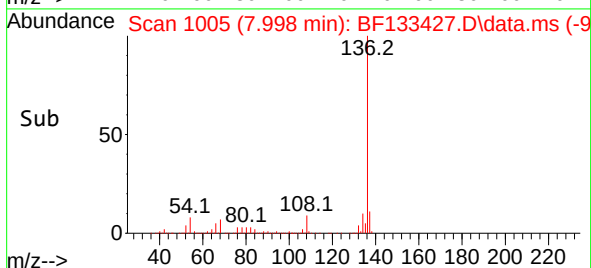
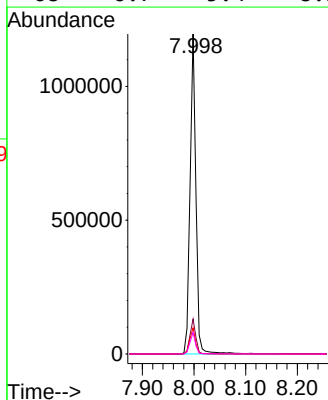
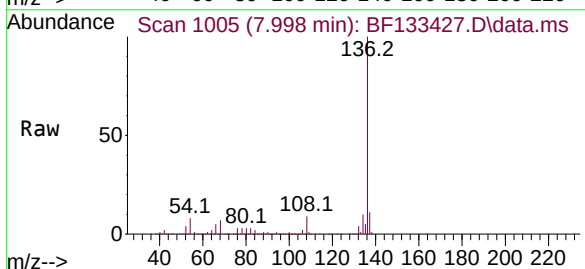
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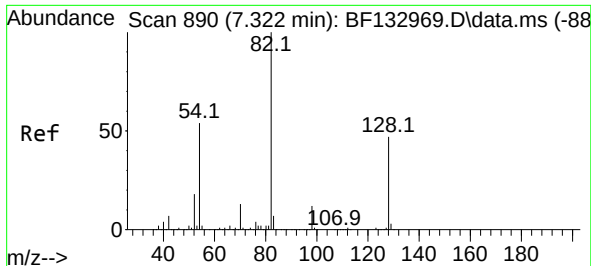
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

Tgt Ion:136 Resp: 940495
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.2 7.0 10.4
68 6.7 5.4 8.2





#23

Nitrobenzene-d5

Concen: 13.565 ng

RT: 7.275 min Scan# 80

Delta R.T. -0.018 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

Instrument :

BNA_F

ClientSampleId :

WG-0516-B2-0-10

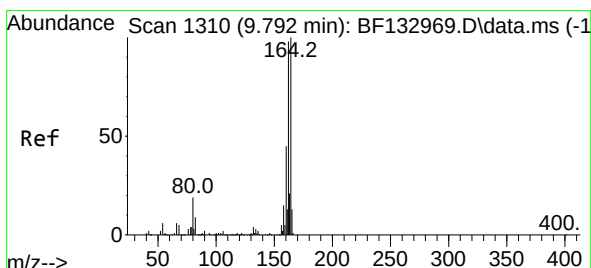
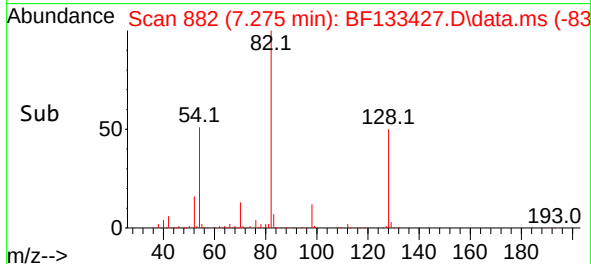
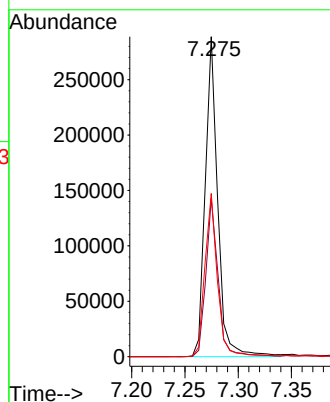
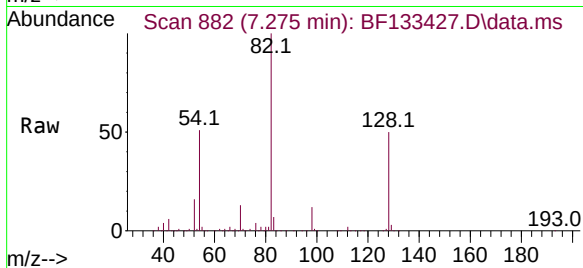
Tgt Ion: 82 Resp: 23635

Ion	Ratio	Lower	Upper
82	100		
128	49.5	37.7	56.5
54	51.0	43.0	64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.751 min Scan# 1303

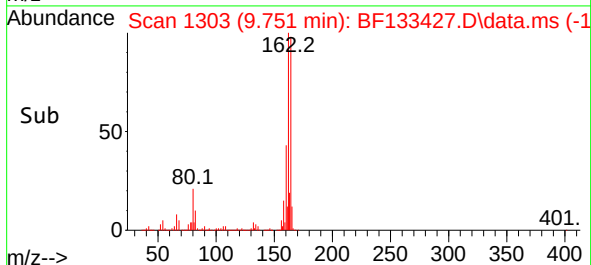
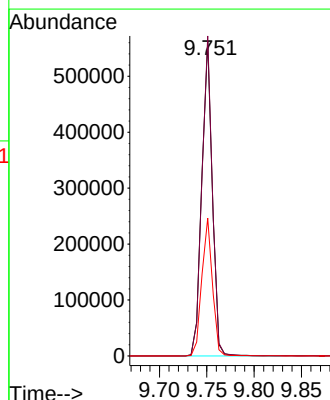
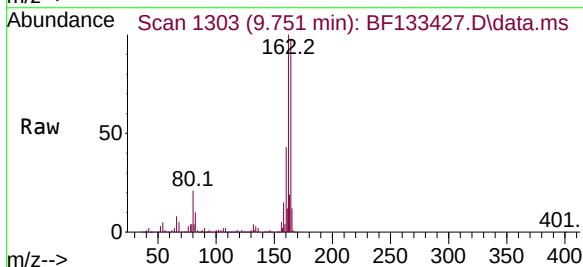
Delta R.T. -0.012 min

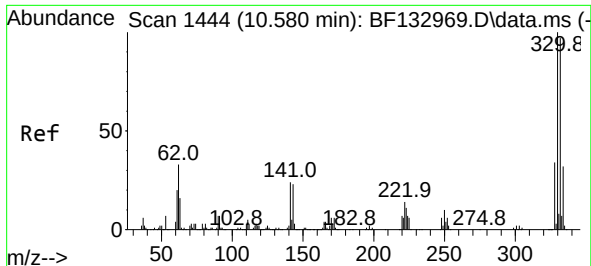
Lab File: BF133427.D

Acq: 17 May 2023 22:26

Tgt Ion:164 Resp: 434550

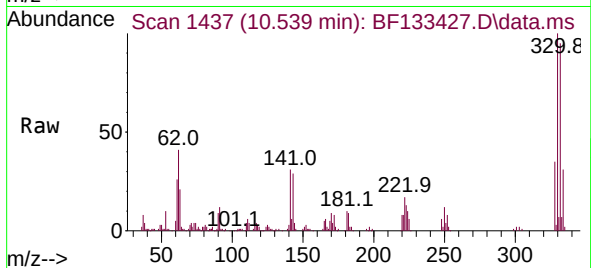
Ion	Ratio	Lower	Upper
164	100		
162	101.7	78.7	118.1
160	43.8	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 15.108 ng
RT: 10.539 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

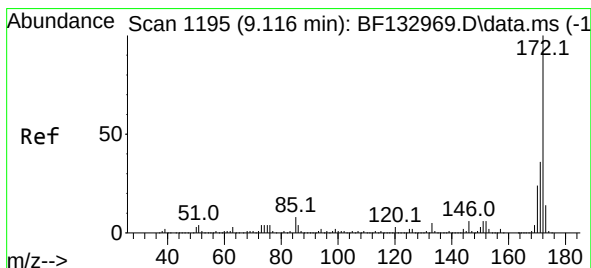
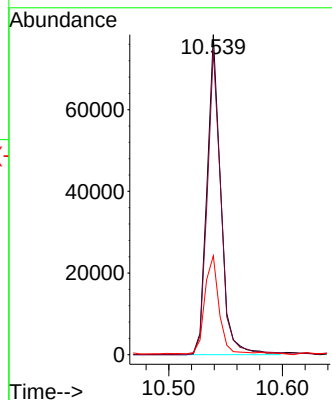
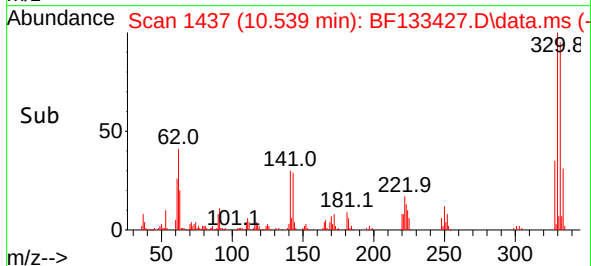
Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10



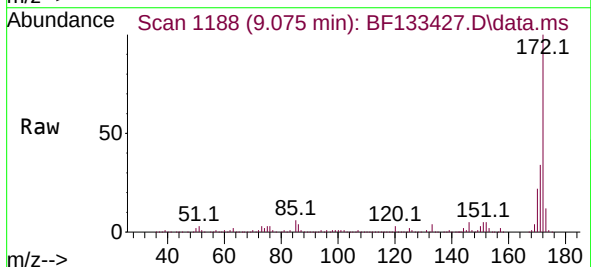
Tgt Ion: 330 Resp: 66020
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 33.5 25.8 38.8

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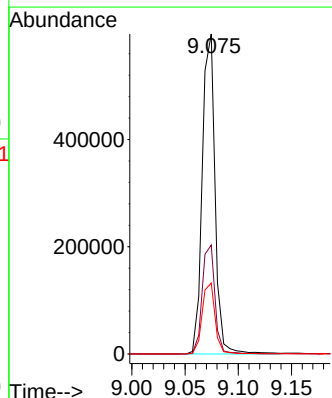
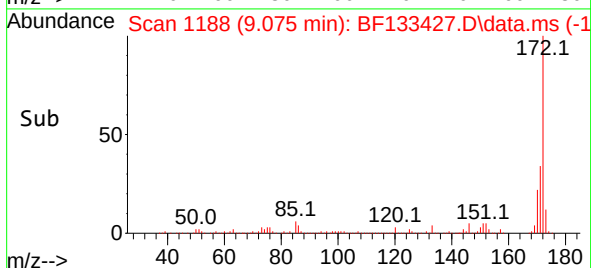
Reviewed By : Christian Giraldo 05/18/2023
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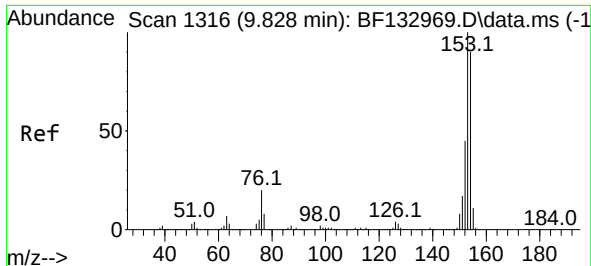


#45
2-Fluorobiphenyl
Concen: 19.327 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26



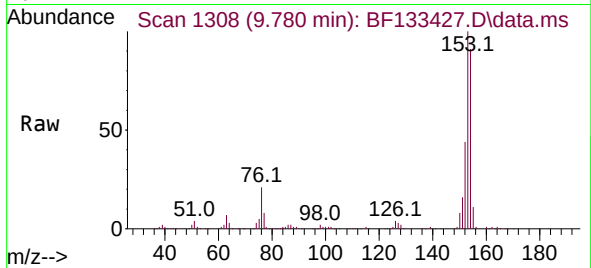
Tgt Ion: 172 Resp: 502002
Ion Ratio Lower Upper
172 100
171 34.1 28.8 43.2
170 22.2 19.4 29.2





#52
Acenaphthene
Concen: 3.097 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

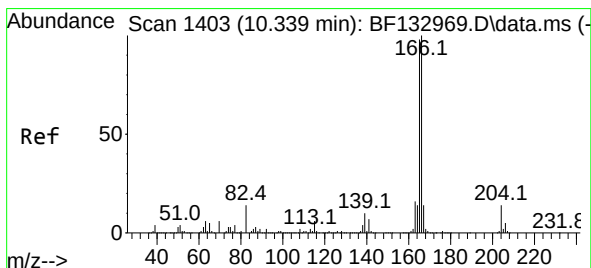
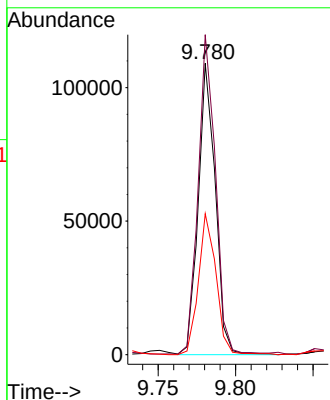
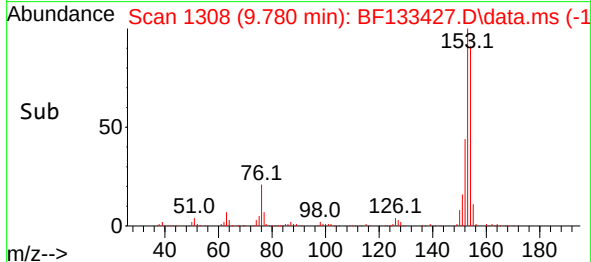
Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10



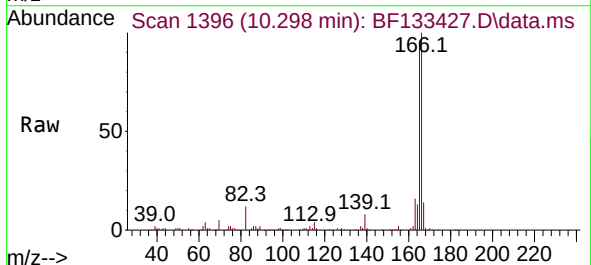
Tgt Ion:154 Resp: 83589
Ion Ratio Lower Upper
154 100
153 109.8 89.0 133.6
152 48.4 40.4 60.6

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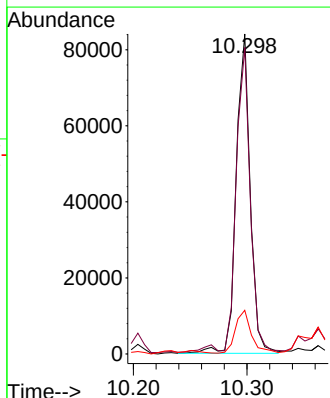
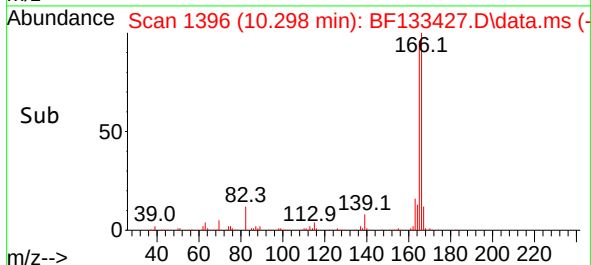
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

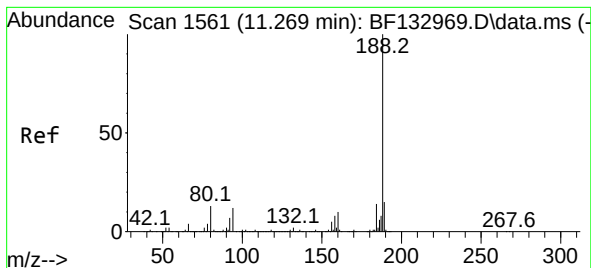


#58
Fluorene
Concen: 2.663 ng
RT: 10.298 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26



Tgt Ion:166 Resp: 71824
Ion Ratio Lower Upper
166 100
165 95.7 78.6 117.8
167 13.6 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.233 min Scan# 1555

Delta R.T. -0.012 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

Instrument :

BNA_F

ClientSampleId :

WG-0516-B2-0-10

Tgt Ion:188 Resp: 623149

Ion Ratio Lower Upper

188 100

94 11.1 9.7 14.5

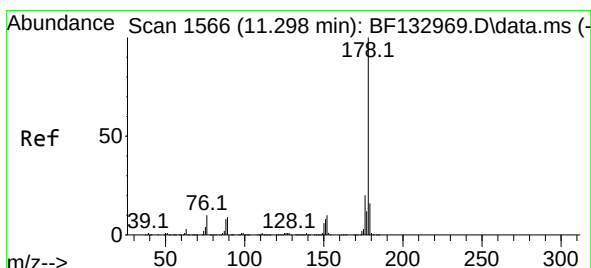
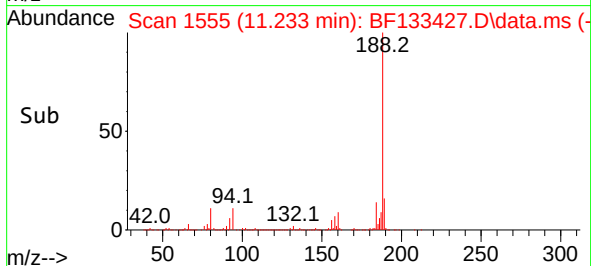
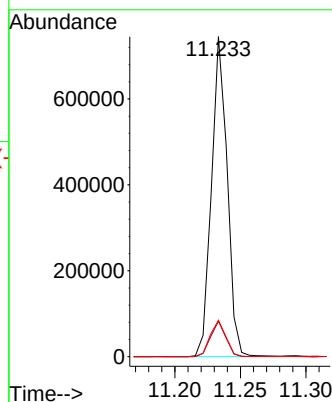
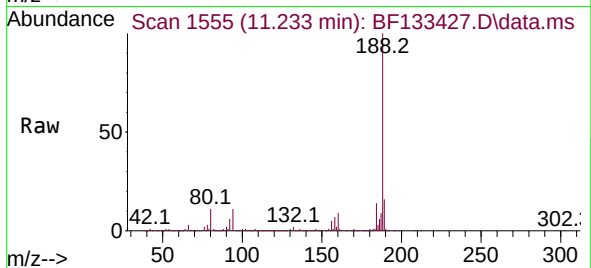
80 11.4 10.4 15.6

Manual Integrations

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#71

Phenanthrene

Concen: 27.349 ng

RT: 11.257 min Scan# 1559

Delta R.T. -0.012 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

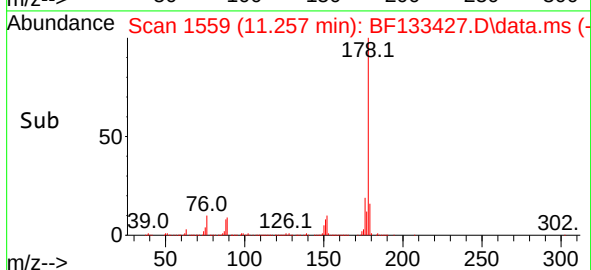
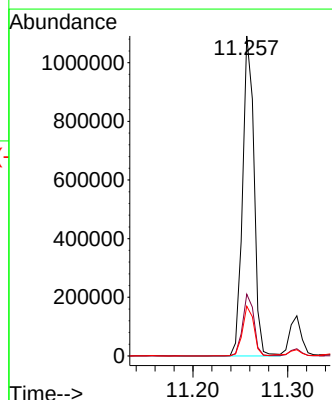
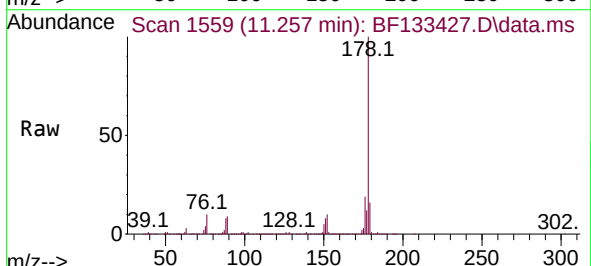
Tgt Ion:178 Resp: 915988

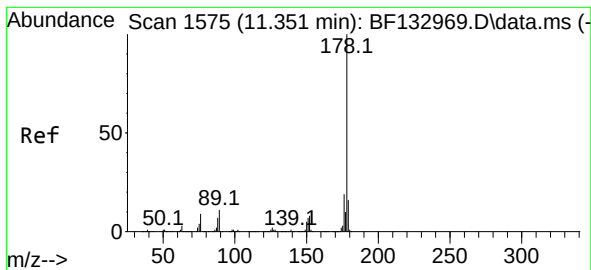
Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

179 15.6 12.5 18.7





#72

Anthracene

Concen: 3.285 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

Instrument :

BNA_F

ClientSampleId :

WG-0516-B2-0-10

Tgt Ion:178 Resp: 112589

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.0

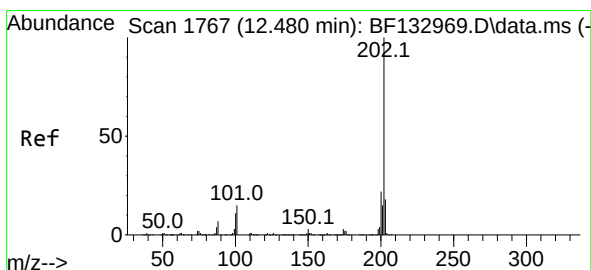
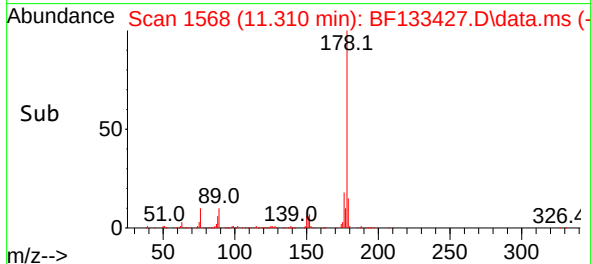
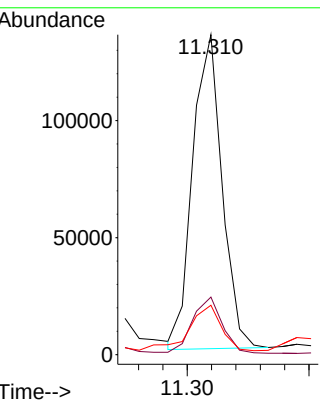
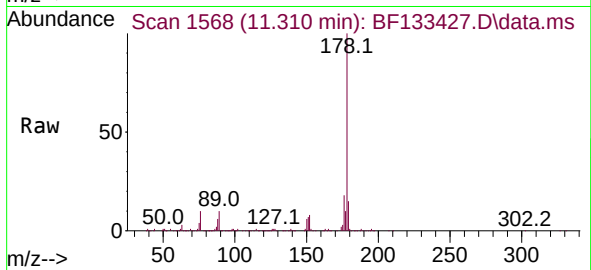
179 15.4 12.4 18.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/18/2023



#75

Fluoranthene

Concen: 14.661 ng

RT: 12.445 min Scan# 1761

Delta R.T. -0.012 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

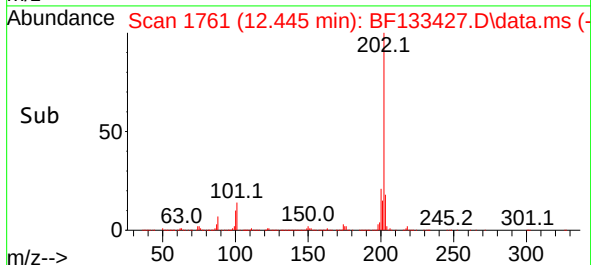
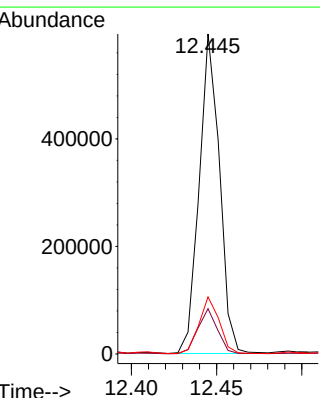
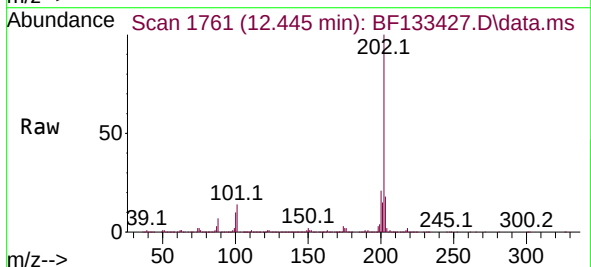
Tgt Ion:202 Resp: 492821

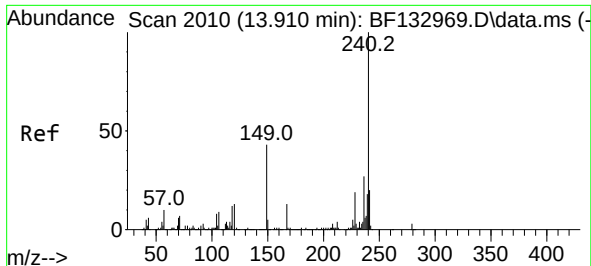
Ion Ratio Lower Upper

202 100

101 14.2 0.0 35.3

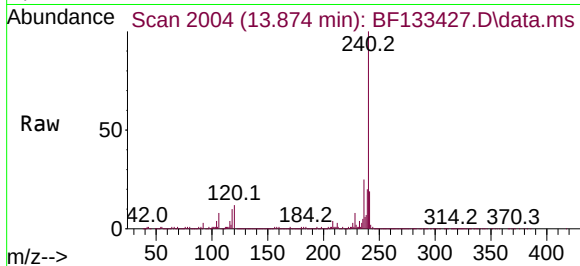
203 17.9 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

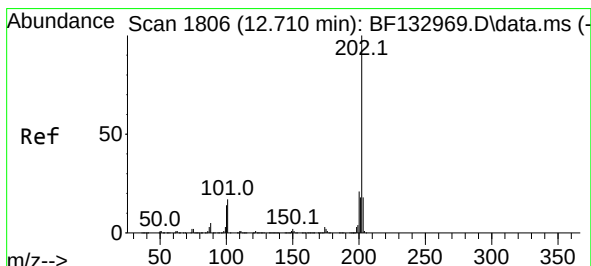
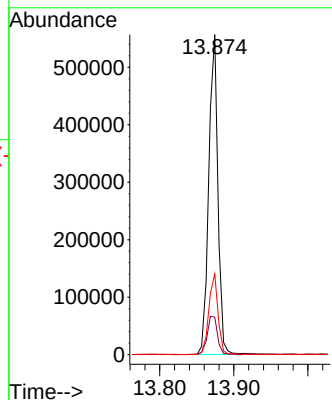
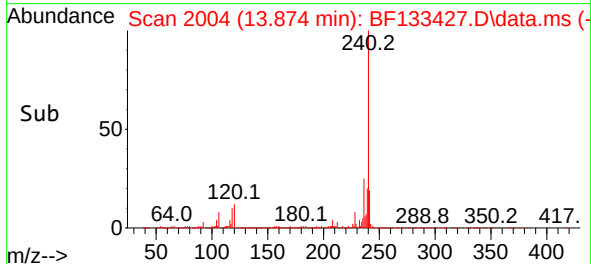
Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10



Tgt Ion:240 Resp: 47984
Ion Ratio Lower Upper
240 100
120 11.7 10.5 15.7
236 25.3 21.5 32.3

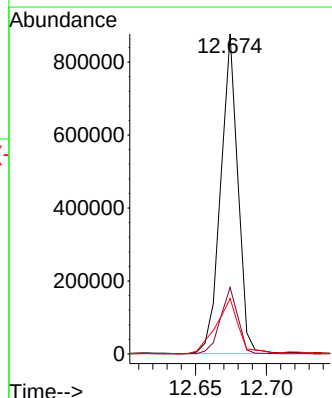
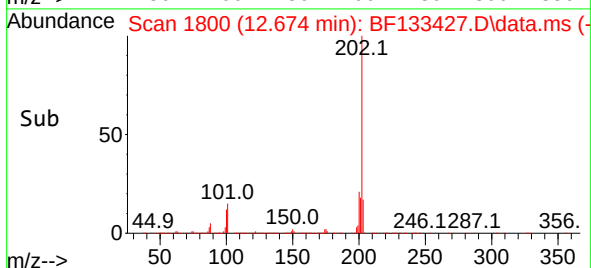
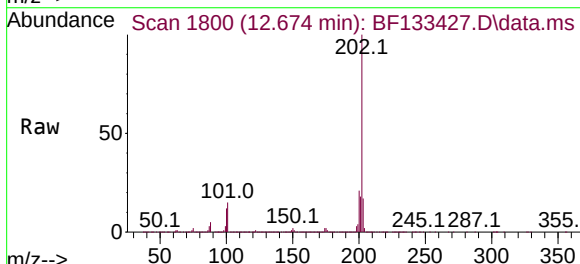
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APPROVED

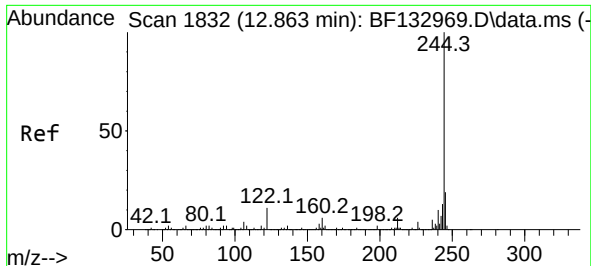
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#78
Pyrene
Concen: 17.942 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

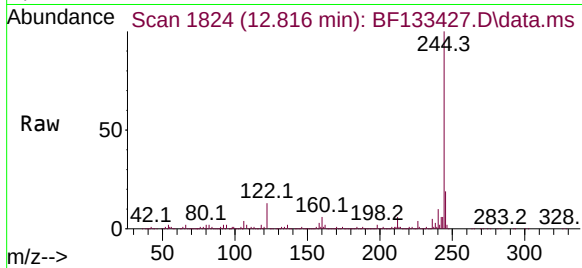
Tgt Ion:202 Resp: 738019
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.3 14.1 21.1





#79
 Terphenyl-d14
 Concen: 12.902 ng
 RT: 12.816 min Scan# 1832
 Delta R.T. -0.018 min
 Lab File: BF133427.D
 Acq: 17 May 2023 22:26

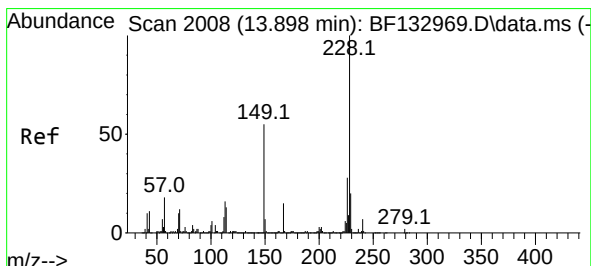
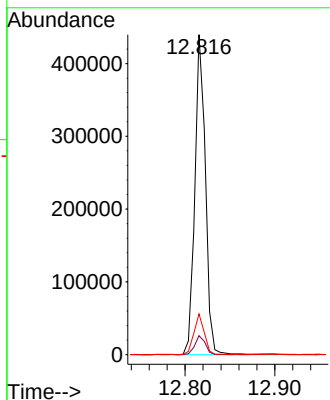
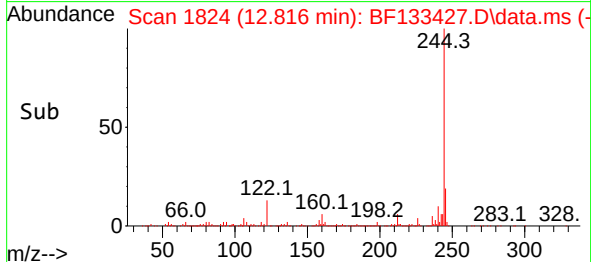
Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B2-0-10



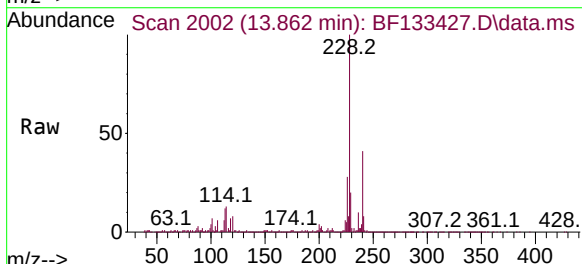
Tgt Ion:244 Resp: 358969
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.1 7.7
 122 12.8 8.6 13.0

Manual Integrations
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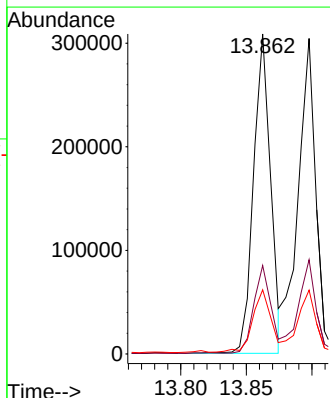
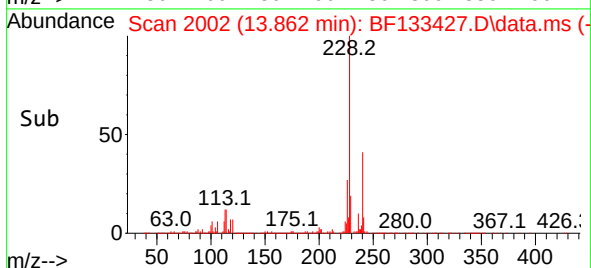
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023

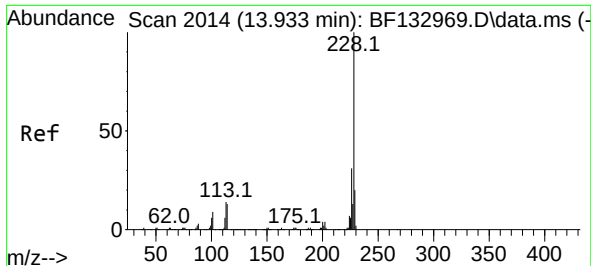


#81
 Benzo(a)anthracene
 Concen: 8.423 ng
 RT: 13.862 min Scan# 2002
 Delta R.T. -0.012 min
 Lab File: BF133427.D
 Acq: 17 May 2023 22:26



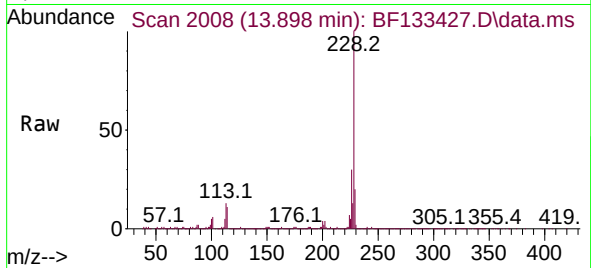
Tgt Ion:228 Resp: 277930
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.2 33.4
 229 20.0 16.0 24.0





#83
Chrysene
Concen: 8.775 ng m
RT: 13.898 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

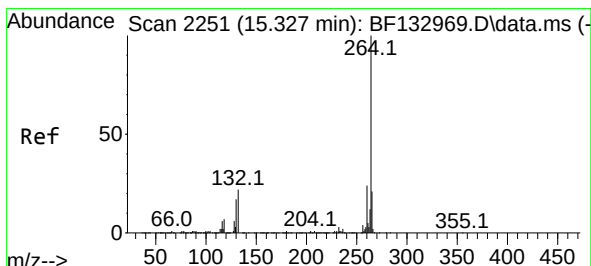
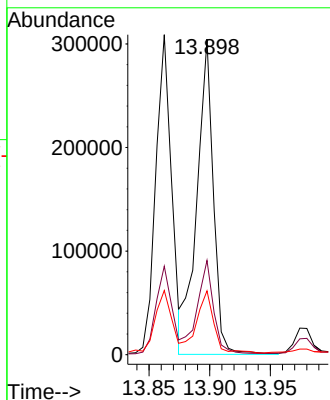
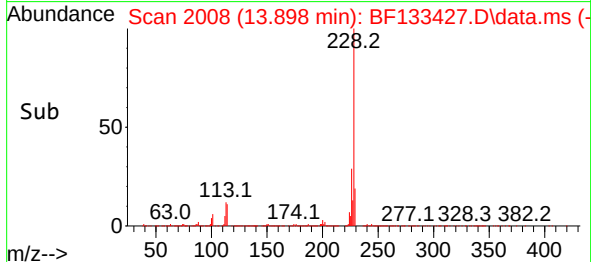
Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10



Tgt Ion:228 Resp: 28949
Ion Ratio Lower Upper
228 100
226 29.9 24.7 37.1
229 20.2 16.1 24.1

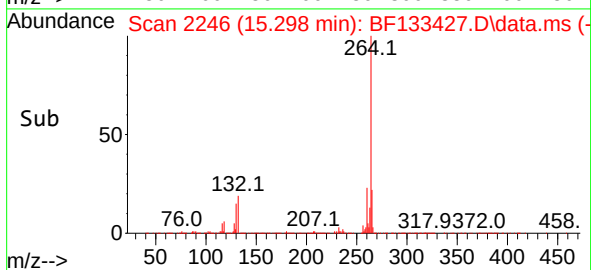
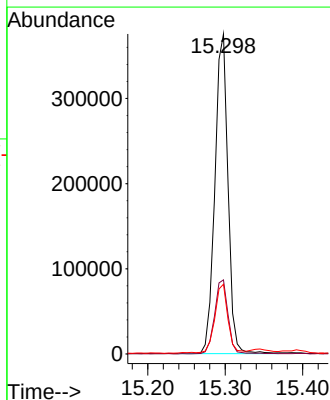
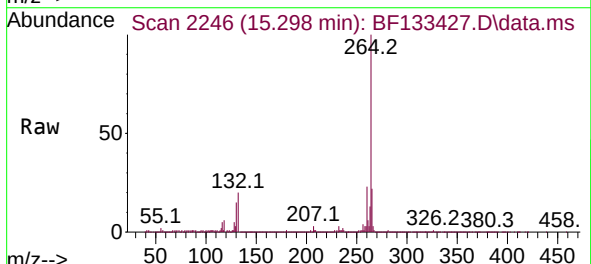
Manual Integrations
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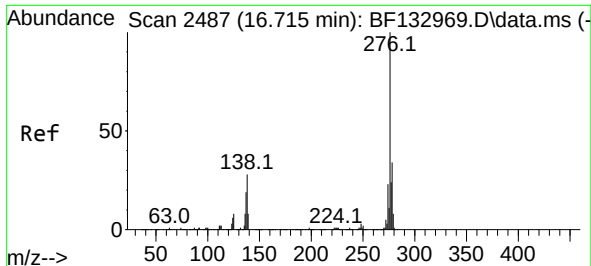
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 2246
Delta R.T. -0.006 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

Tgt Ion:264 Resp: 440628
Ion Ratio Lower Upper
264 100
260 23.1 18.8 28.2
265 21.8 17.0 25.4





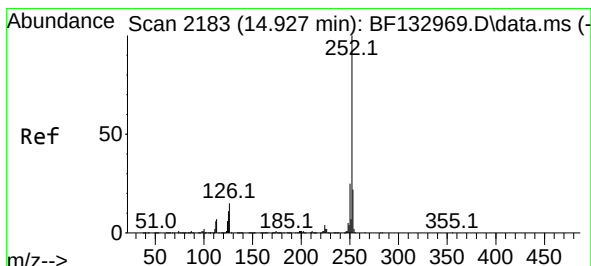
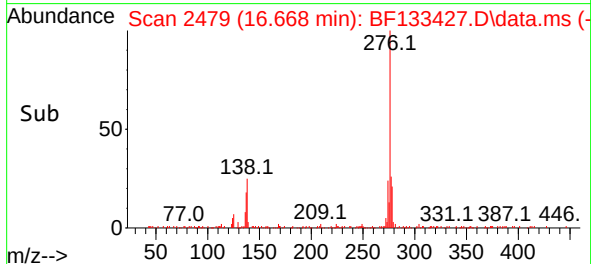
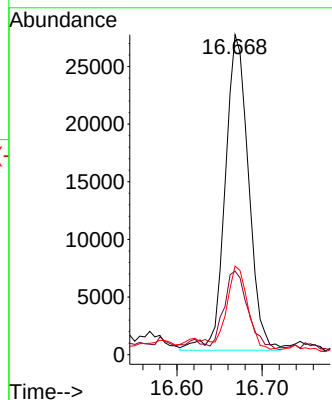
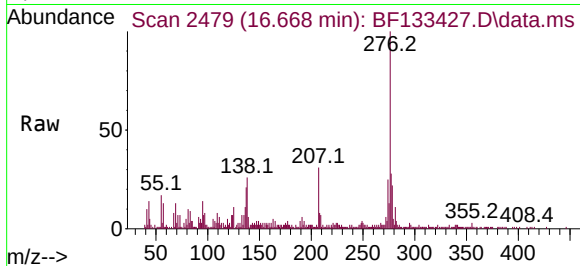
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.078 ng
RT: 16.668 min Scan# 2487
Delta R.T. -0.030 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10

Tgt Ion: 276 Resp: 52088
Ion Ratio Lower Upper
276 100
138 27.0 25.5 38.3
277 24.0 20.4 30.6

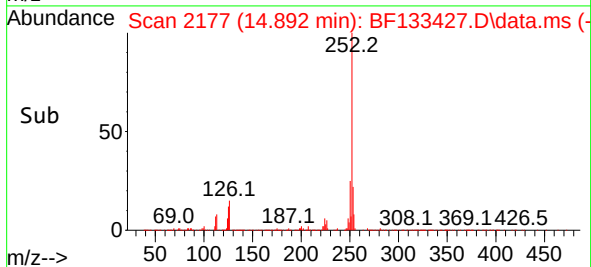
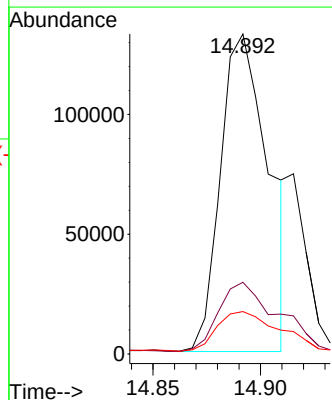
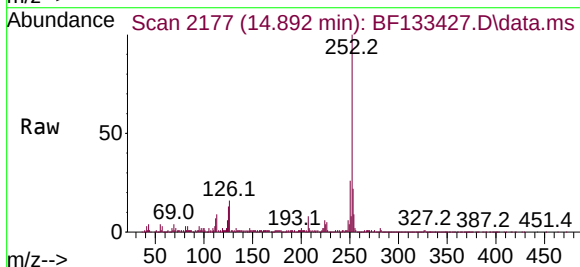
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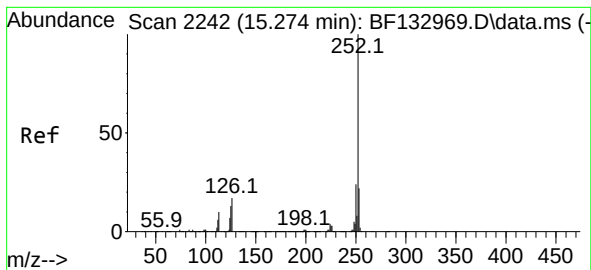
Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023



#88
Benzo(b)fluoranthene
Concen: 7.358 ng m
RT: 14.892 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

Tgt Ion: 252 Resp: 206275
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 13.2 8.9 13.3





#90

Benzo(a)pyrene

Concen: 6.730 ng

RT: 15.233 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

Instrument :

BNA_F

ClientSampleId :

WG-0516-B2-0-10

Tgt Ion:252 Resp: 17170

Ion Ratio Lower Upper

252 100

253 20.0 17.7 26.5

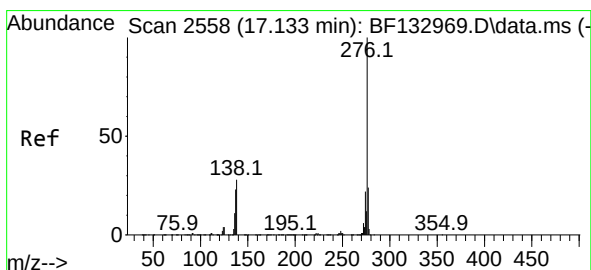
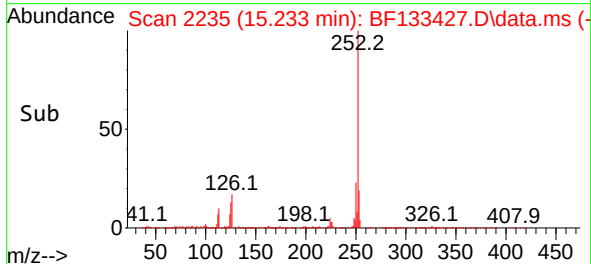
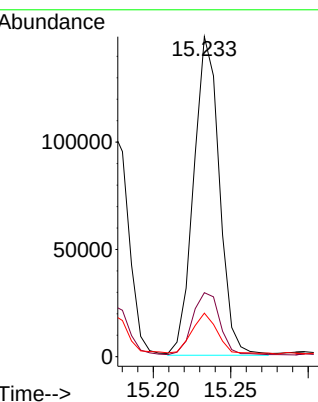
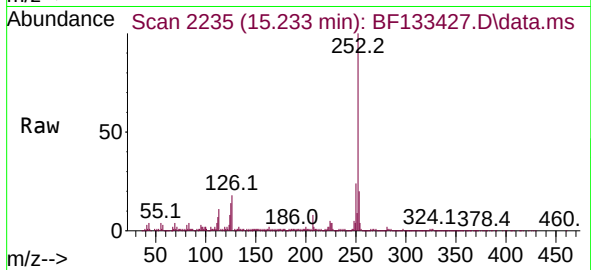
125 13.6 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#92

Benzo(g,h,i)perylene

Concen: 2.559 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.024 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

Tgt Ion:276 Resp: 52820

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.0

138 24.6 22.7 34.1

