

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
 Data File : BF128916.D
 Acq On : 22 Jun 2022 00:19
 Operator : CG\JU
 Sample : N3421-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3-0-2-20220620

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/22/2022
 Supervised By : Jagrut Upadhyay 06/22/2022

Quant Time: Jun 22 01:57:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 01:02:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	93103	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	337223	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	164162	20.000	ng	0.00
64) Phenanthrene-d10	11.274	188	255030	20.000	ng	# 0.00
76) Chrysene-d12	13.921	240	192130	20.000	ng	# 0.00
86) Perylene-d12	15.362	264	138894	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	548436	93.828	ng	0.00
7) Phenol-d6	6.410	99	706180	98.974	ng	0.00
23) Nitrobenzene-d5	7.322	82	496416	68.538	ng	0.00
42) 2,4,6-Tribromophenol	10.580	330	139896	72.124	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	753767	64.319	ng	0.00
79) Terphenyl-d14	12.863	244	564165	51.023	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.057	128	63515	3.670	ng	99
52) Acenaphthene	9.822	154	35536	3.792	ng	98
58) Fluorene	10.333	166	31240	2.991	ng	# 98
71) Phenanthrene	11.298	178	307049	24.004	ng	98
72) Anthracene	11.351	178	82034	6.479	ng	97
73) Carbazole	11.510	167	44247	3.763	ng	98
75) Fluoranthene	12.492	202	502515	37.582	ng	96
78) Pyrene	12.721	202	432529	30.259	ng	98
81) Benzo(a)anthracene	13.910	228	276944	23.125	ng	99
83) Chrysene	13.945	228	213612	18.709	ng	97
87) Indeno(1,2,3-cd)pyrene	16.780	276	73502	8.780	ng	# 90
88) Benzo(b)fluoranthene	14.951	252	269094m	30.320	ng	
89) Benzo(k)fluoranthene	14.974	252	61480m	7.364	ng	
90) Benzo(a)pyrene	15.304	252	155329m	22.268	ng	
91) Dibenzo(a,h)anthracene	16.780	278	20181m	2.906	ng	
92) Benzo(g,h,i)perylene	17.209	276	68744	9.989	ng	# 93

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

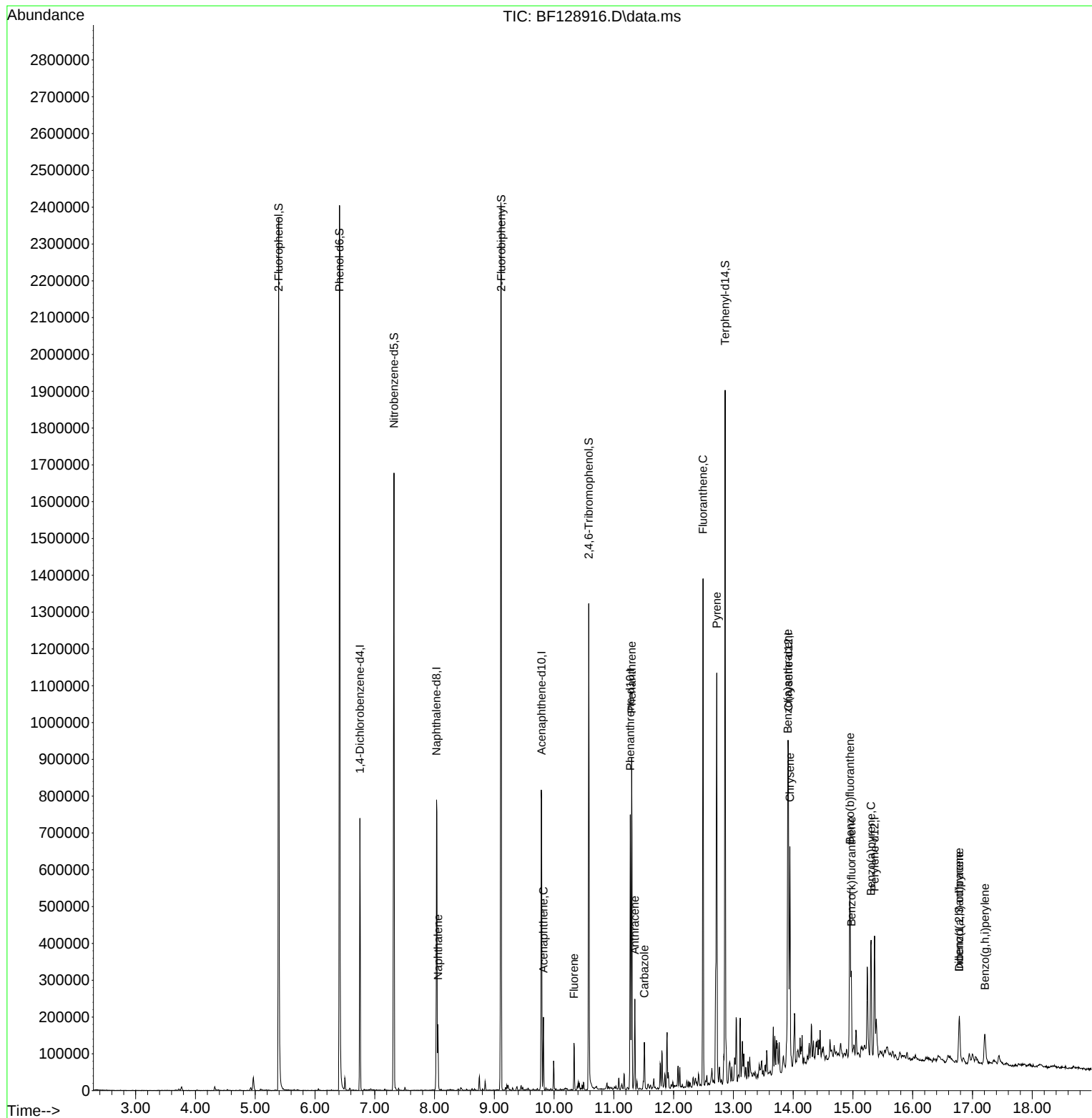
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
Data File : BF128916.D
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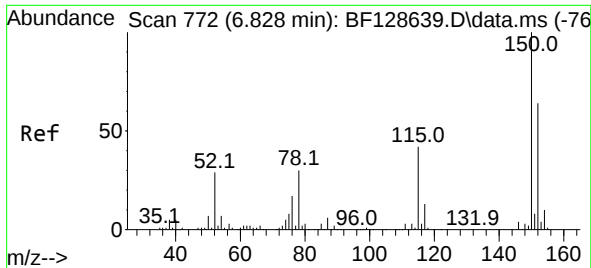
Instrument :
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Quant Time: Jun 22 01:57:50 2022
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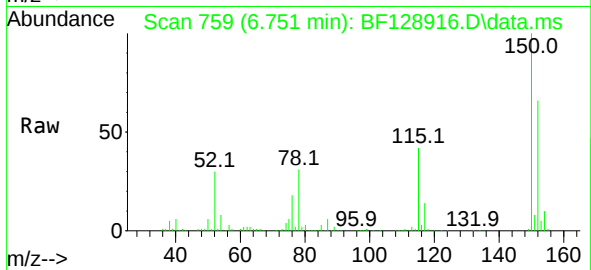
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

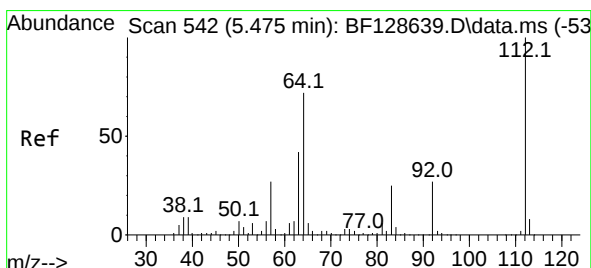
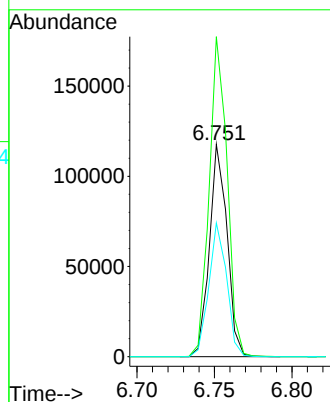
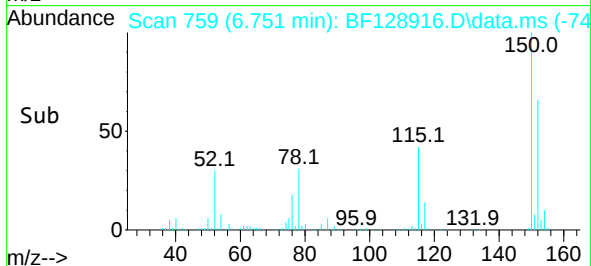
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620



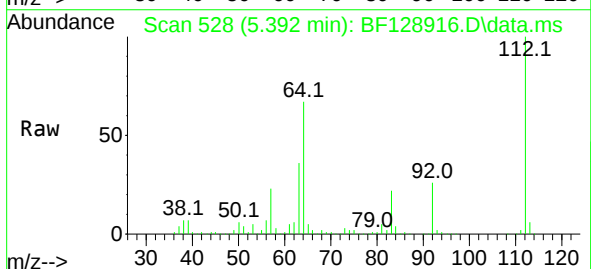
Tgt Ion:152 Resp: 9310
Ion Ratio Lower Upper
152 100
150 150.7 123.7 185.5
115 63.0 49.9 74.9

Manual Integrations
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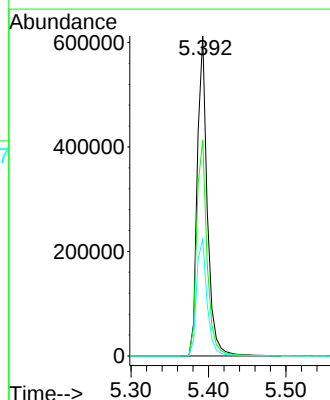
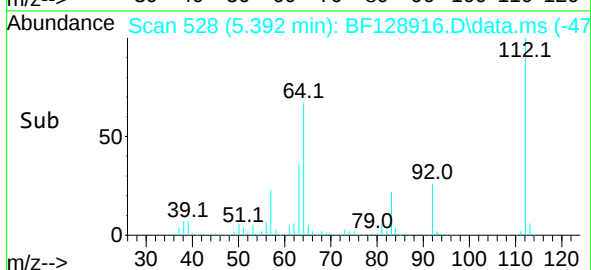
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#5
2-Fluorophenol
Concen: 93.828 ng
RT: 5.392 min Scan# 528
Delta R.T. 0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19



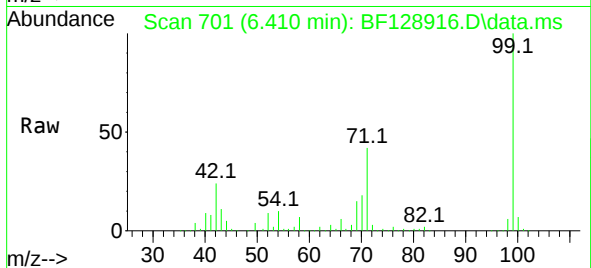
Tgt Ion:112 Resp: 548436
Ion Ratio Lower Upper
112 100
64 67.4 53.3 79.9
63 36.5 28.0 42.0





#7
Phenol-d6
Concen: 98.974 ng
RT: 6.410 min Scan# 701
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

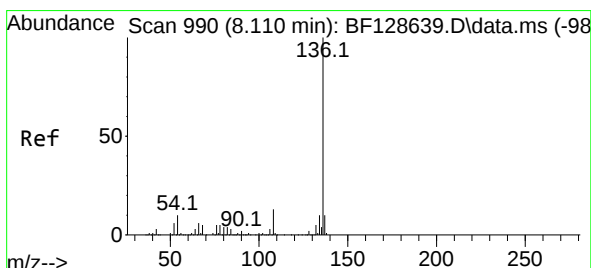
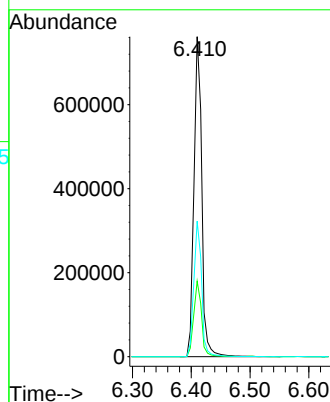
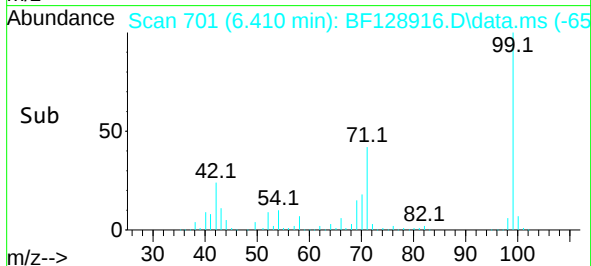
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620



Tgt Ion: 99 Resp: 706180
Ion Ratio Lower Upper
99 100
42 23.6 17.3 25.9
71 42.4 28.9 43.3

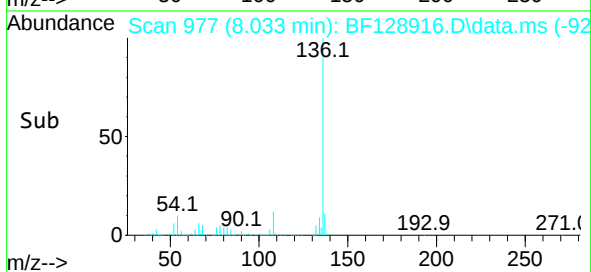
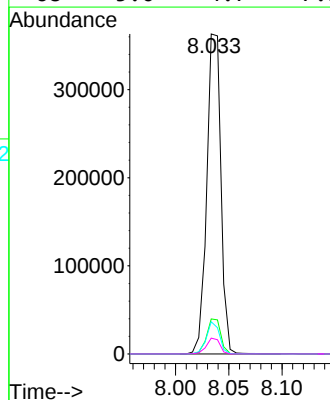
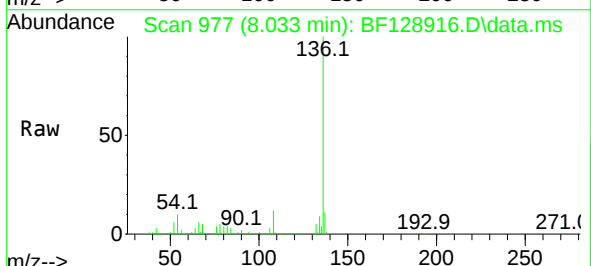
Manual Integrations
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Supervised By :Jagrut Upadhyay 06/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 977
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion:136 Resp: 337223
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.1 7.5 11.3
68 5.0 4.7 7.1





#23

Nitrobenzene-d5

Concen: 68.538 ng

RT: 7.322 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF128916.D

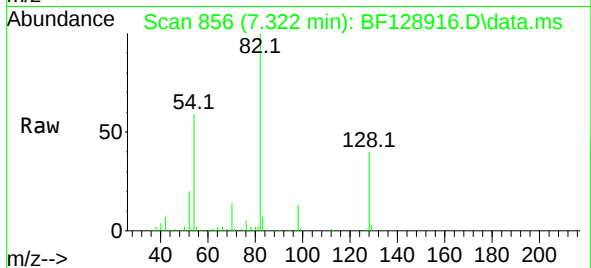
Acq: 22 Jun 2022 00:19

Instrument :

BNA_F

ClientSampleId :

SB-3-0-2-20220620

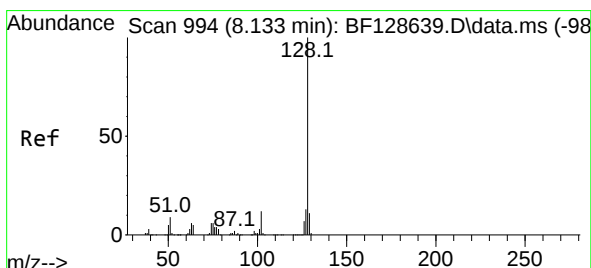
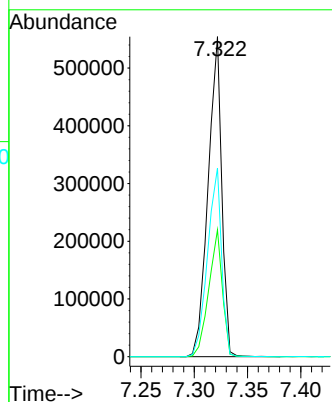
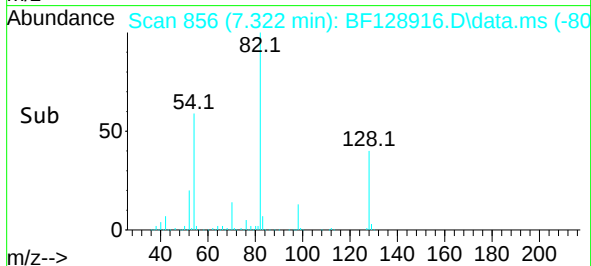


Tgt Ion: 82 Resp: 496410

Ion	Ratio	Lower	Upper
82	100		
128	39.7	34.0	51.0
54	59.0	46.9	70.3

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Supervised By :Jagrut Upadhyay 06/22/2022



#31

Naphthalene

Concen: 3.670 ng

RT: 8.057 min Scan# 981

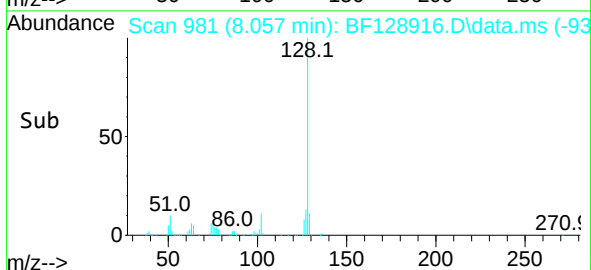
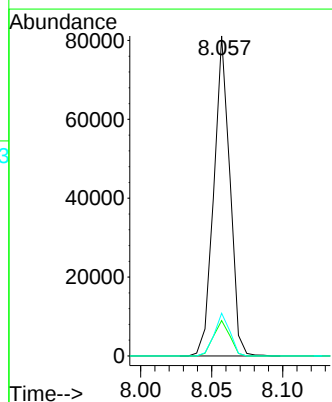
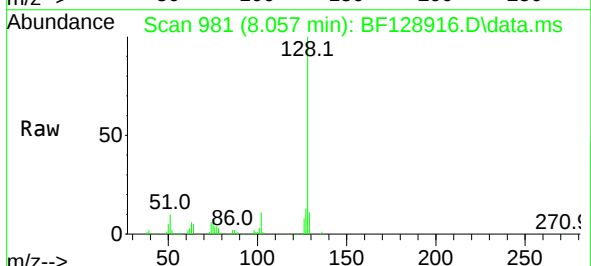
Delta R.T. -0.006 min

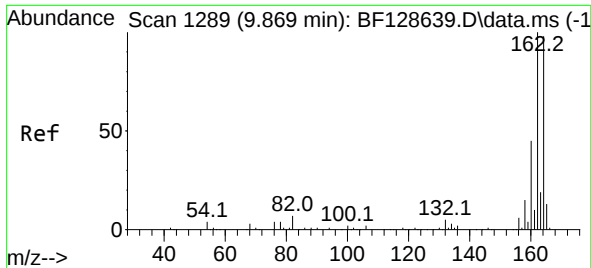
Lab File: BF128916.D

Acq: 22 Jun 2022 00:19

Tgt Ion:128 Resp: 63515

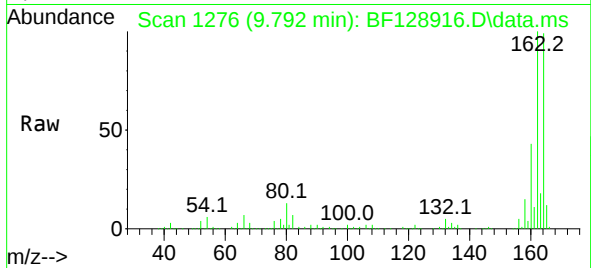
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.2	13.8
127	13.4	10.5	15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

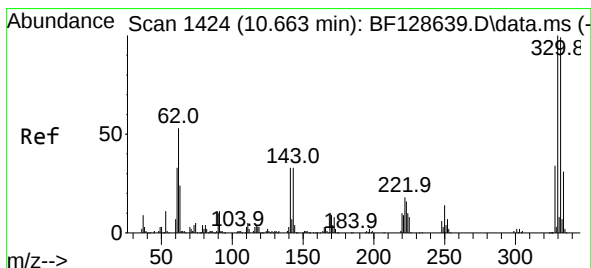
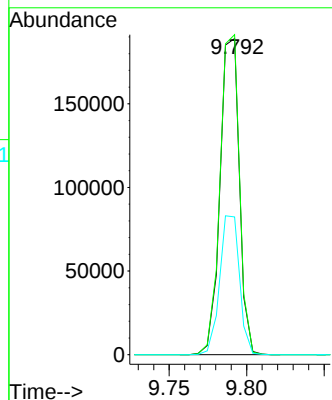
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620



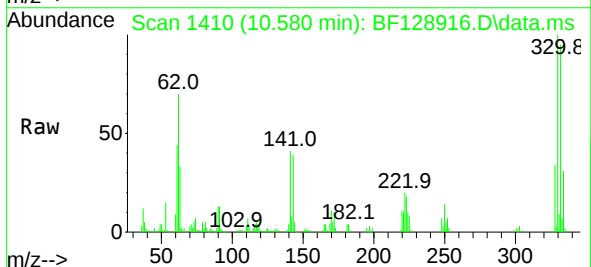
Tgt Ion:164 Resp: 164162
Ion Ratio Lower Upper
164 100
162 101.2 79.5 119.3
160 43.6 34.2 51.4

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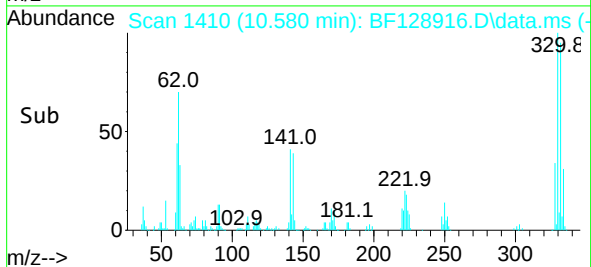
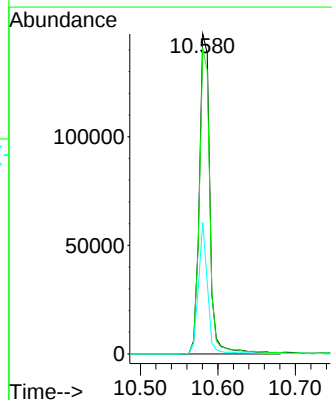
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022

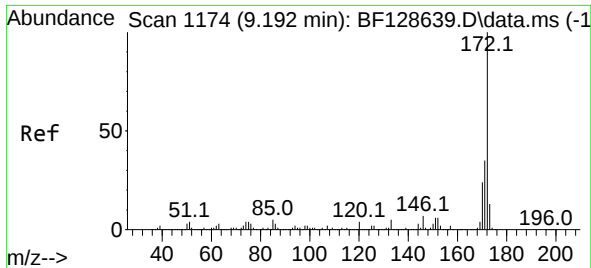


#42
2,4,6-Tribromophenol
Concen: 72.124 ng
RT: 10.580 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19



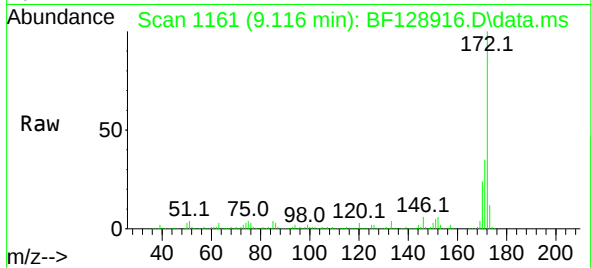
Tgt Ion:330 Resp: 139896
Ion Ratio Lower Upper
330 100
332 95.6 76.8 115.2
141 35.9 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 64.319 ng
RT: 9.116 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

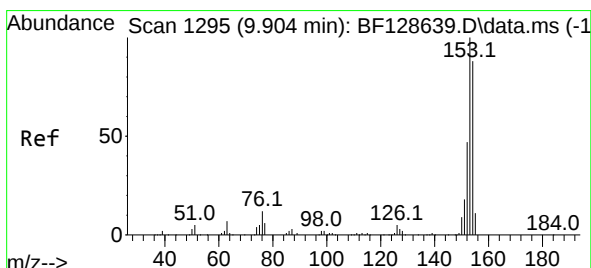
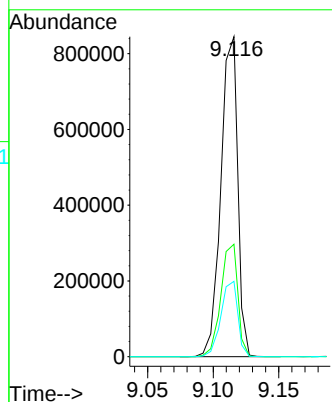
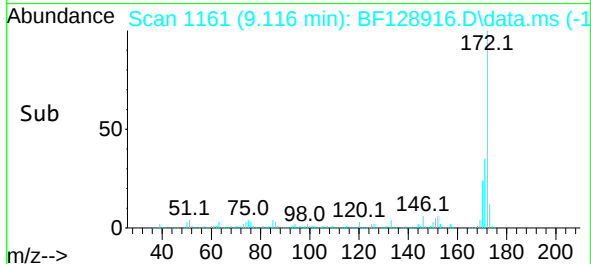
Instrument :
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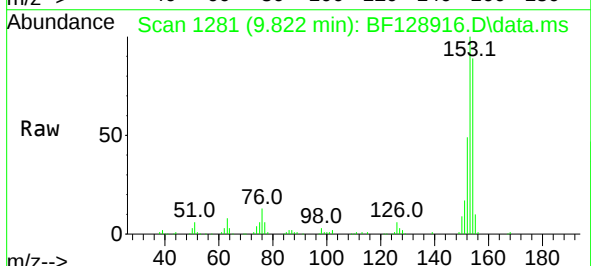
Tgt Ion:172 Resp: 75376
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.6 19.8 29.8

Manual Integrations
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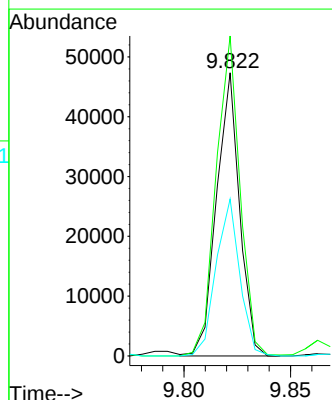
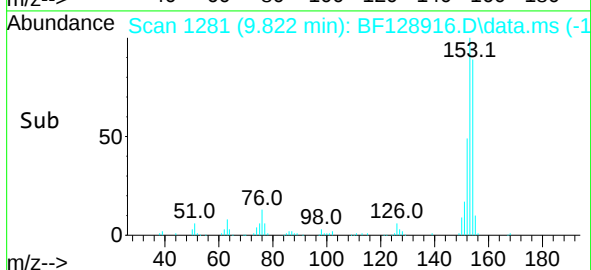
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022

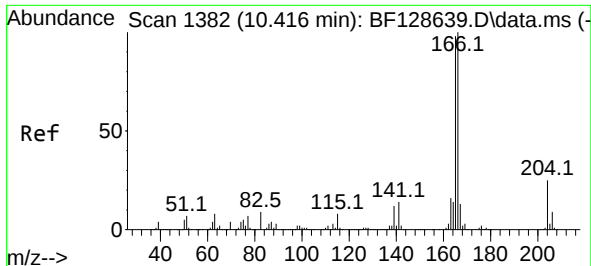


#52
Acenaphthene
Concen: 3.792 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19



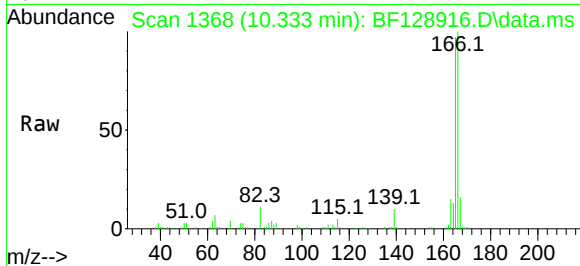
Tgt Ion:154 Resp: 35536
Ion Ratio Lower Upper
154 100
153 113.0 89.6 134.4
152 55.4 42.4 63.6





#58
Fluorene
Concen: 2.991 ng
RT: 10.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

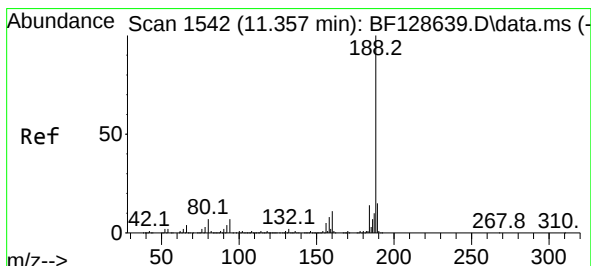
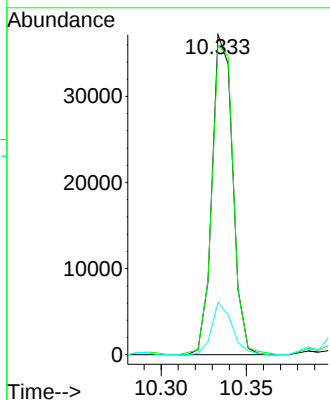
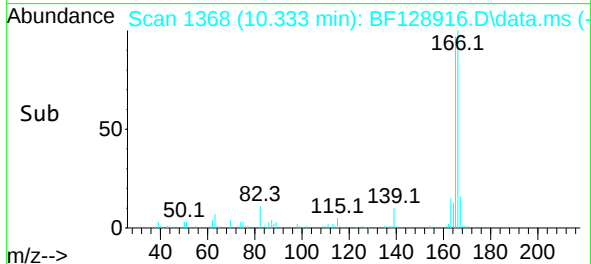
Instrument :
BNA_F
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SB-3-0-2-20220620



Tgt Ion:166 Resp: 31240
Ion Ratio Lower Upper
166 100
165 96.8 78.1 117.1
167 16.4 10.5 15.7

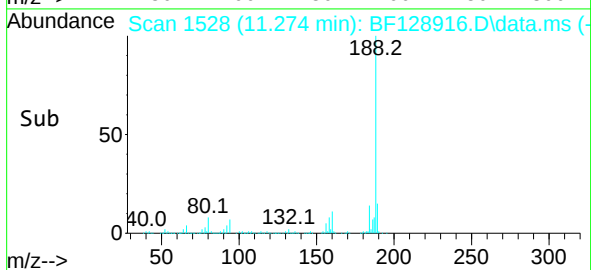
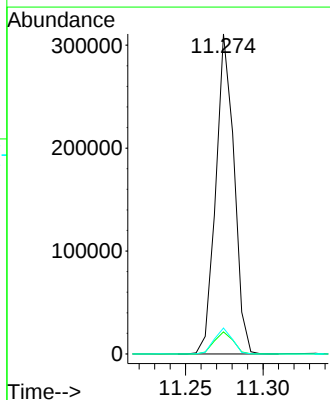
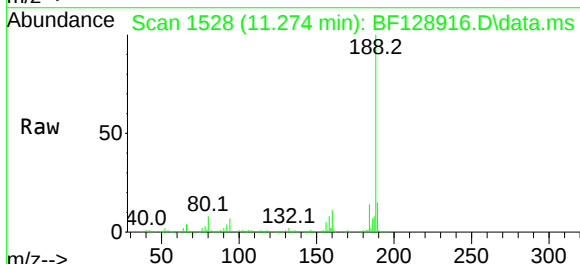
Manual Integrations
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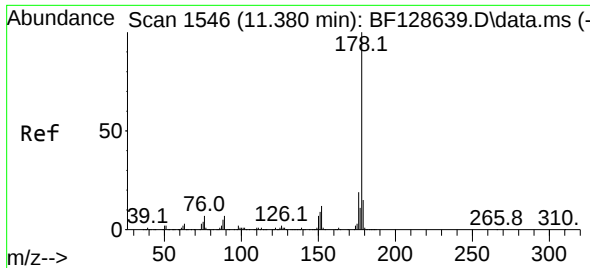
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.274 min Scan# 1528
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

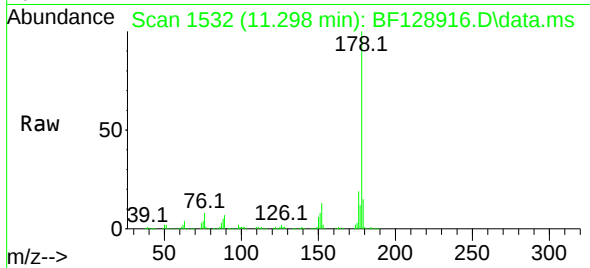
Tgt Ion:188 Resp: 255030
Ion Ratio Lower Upper
188 100
94 6.9 7.0 10.6#
80 8.1 7.6 11.4





#71
Phenanthrene
Concen: 24.004 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

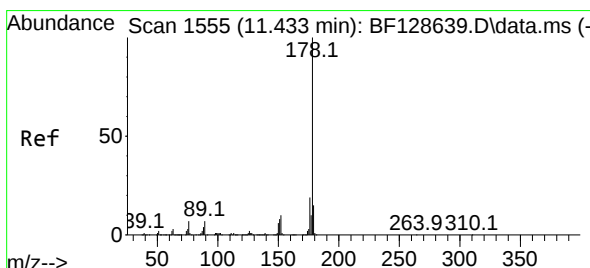
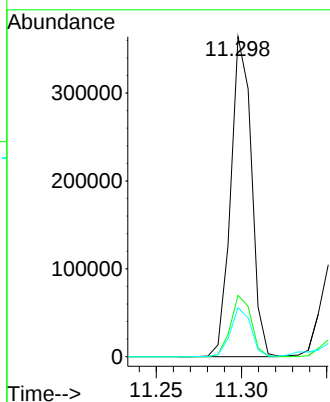
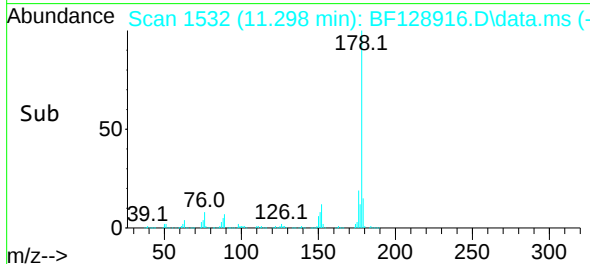
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620



Tgt Ion:178 Resp: 307049
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.3 12.6 19.0

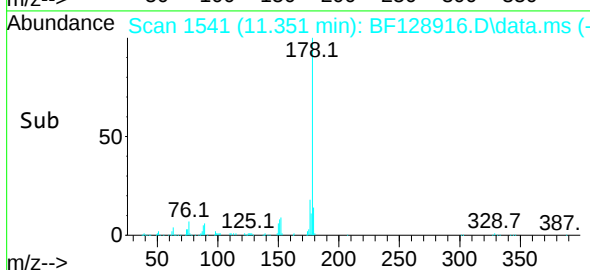
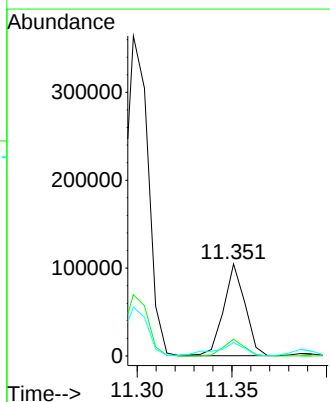
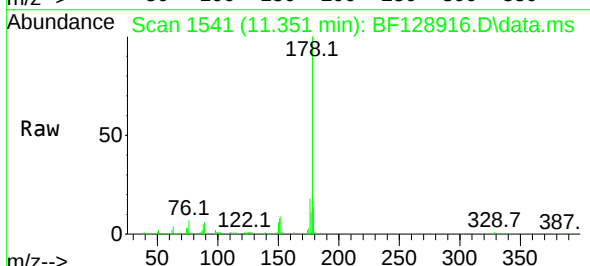
Manual Integrations
APPROVED

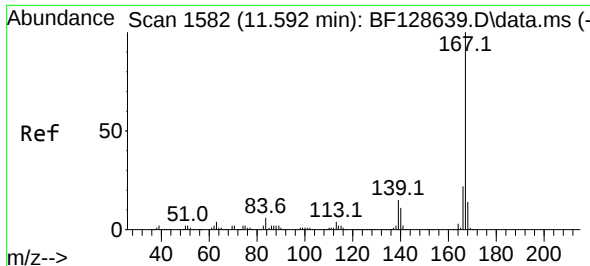
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#72
Anthracene
Concen: 6.479 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

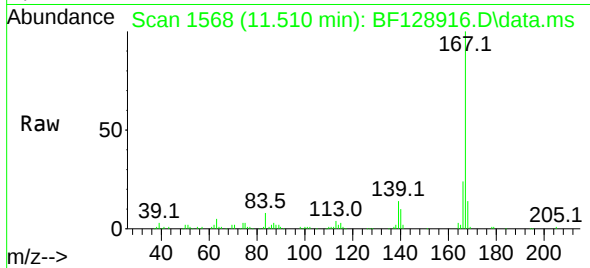
Tgt Ion:178 Resp: 82034
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 14.4 12.6 19.0





#73
 Carbazole
 Concen: 3.763 ng
 RT: 11.510 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128916.D
 Acq: 22 Jun 2022 00:19

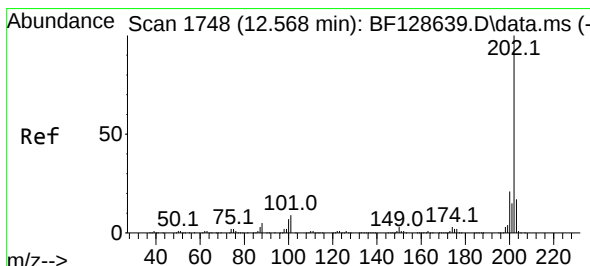
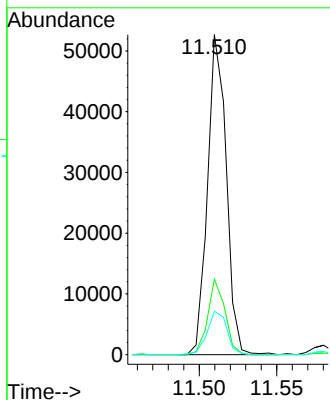
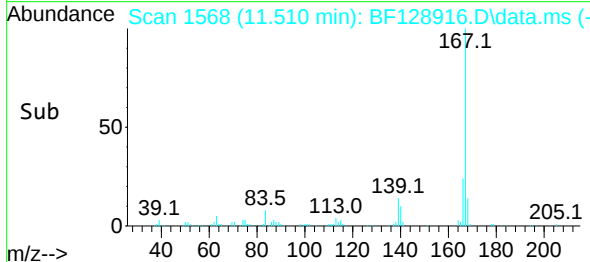
Instrument :
 BNA_F
 ClientSampleId :
 SB-3-0-2-20220620



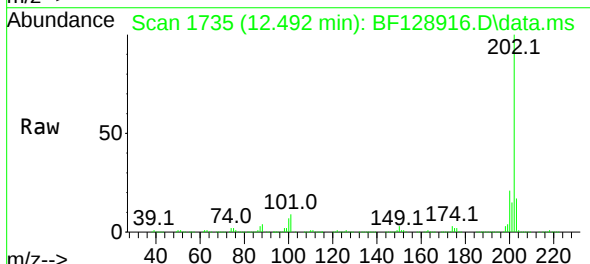
Tgt Ion:167 Resp: 4424
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.7 26.5
 139 13.5 11.2 16.8

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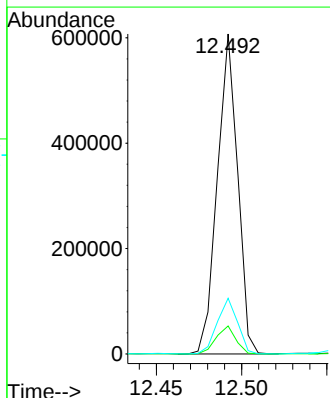
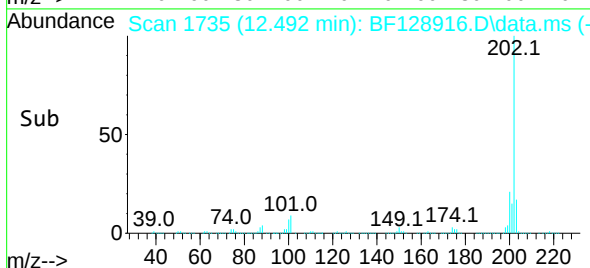
Reviewed By :Christian Giraldo 06/22/2022
 Supervised By :Jagrut Upadhyay 06/22/2022

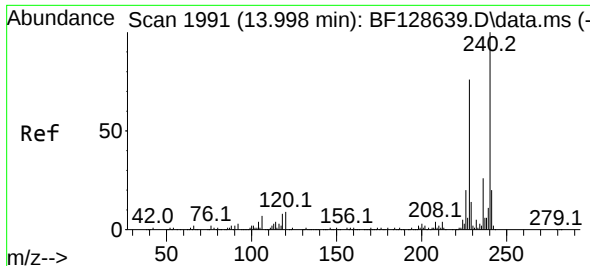


#75
 Fluoranthene
 Concen: 37.582 ng
 RT: 12.492 min Scan# 1735
 Delta R.T. -0.006 min
 Lab File: BF128916.D
 Acq: 22 Jun 2022 00:19



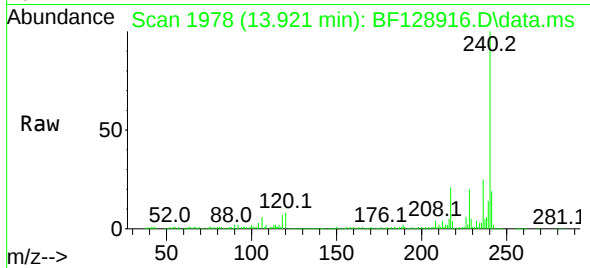
Tgt Ion:202 Resp: 502515
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 31.4
 203 17.4 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.921 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

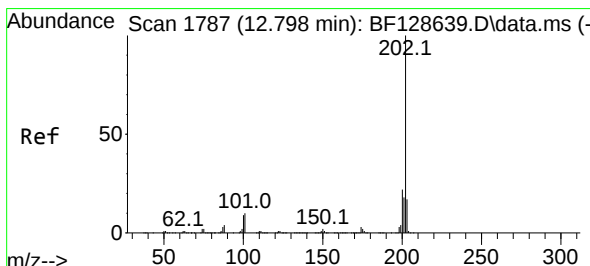
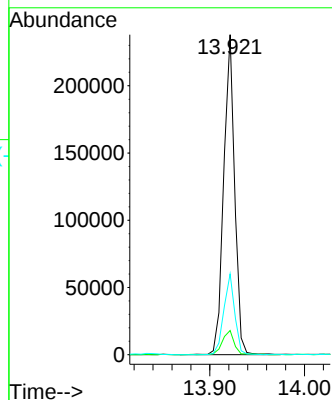
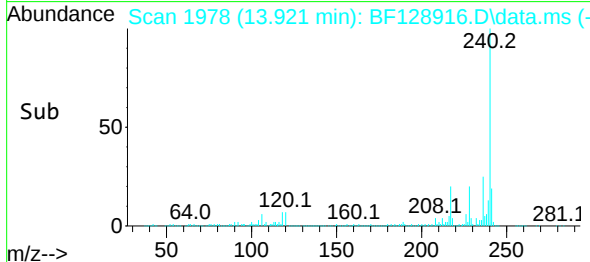
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620



Tgt Ion:240 Resp: 192130
Ion Ratio Lower Upper
240 100
120 7.6 8.9 13.3
236 25.3 20.8 31.2

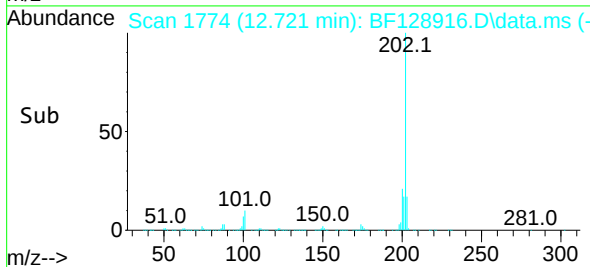
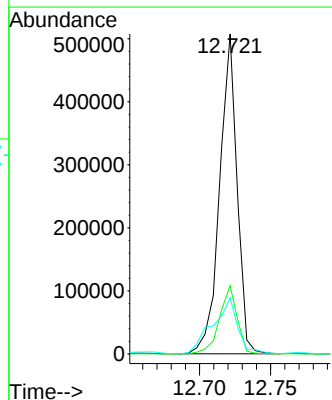
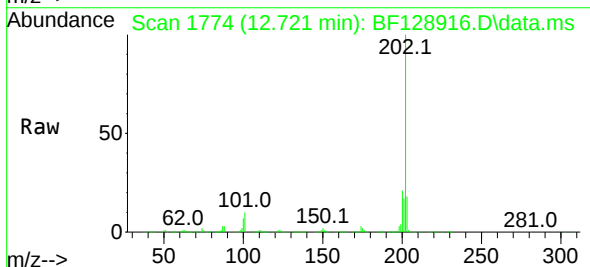
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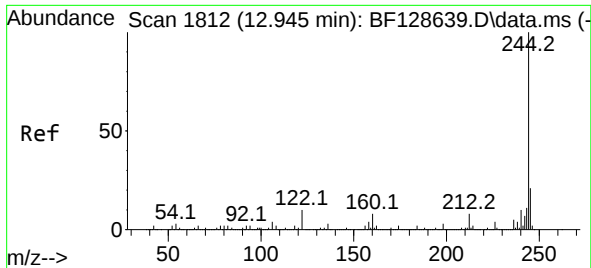
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#78
Pyrene
Concen: 30.259 ng
RT: 12.721 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

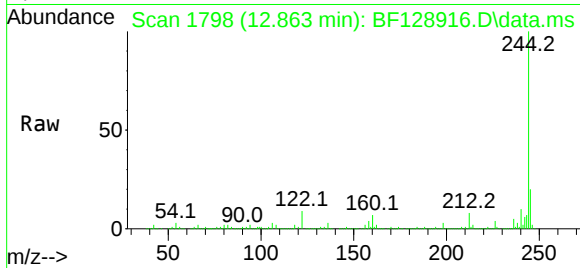
Tgt Ion:202 Resp: 432529
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 17.5 14.6 21.8





#79
 Terphenyl-d14
 Concen: 51.023 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128916.D
 Acq: 22 Jun 2022 00:19

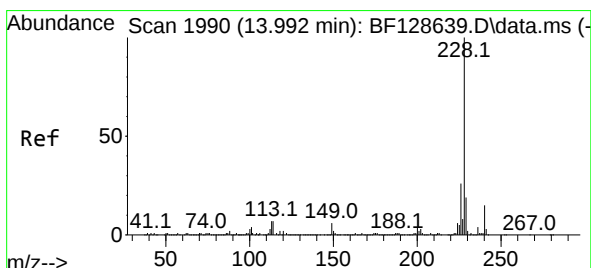
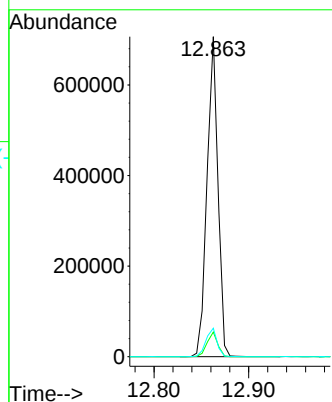
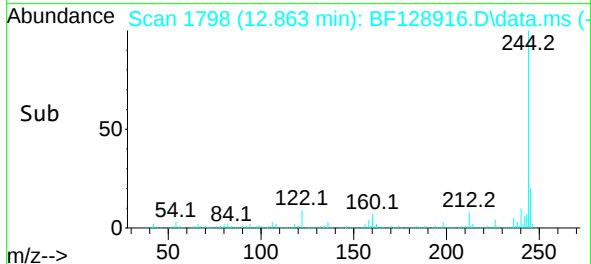
Instrument :
 BNA_F
 ClientSampleId :
 SB-3-0-2-20220620



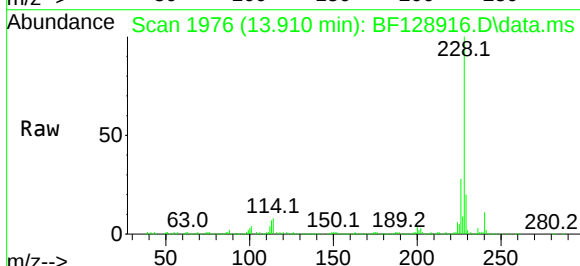
Tgt Ion:244 Resp: 56416
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 8.9 8.8 13.2

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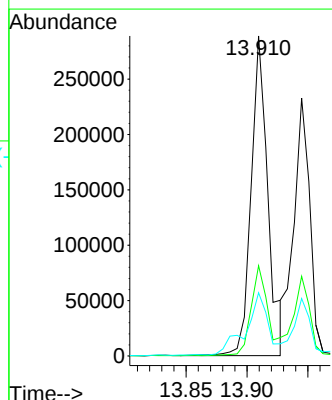
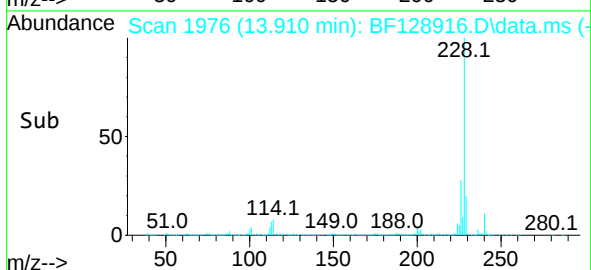
Reviewed By :Christian Giraldo 06/22/2022
 Supervised By :Jagrut Upadhyay 06/22/2022

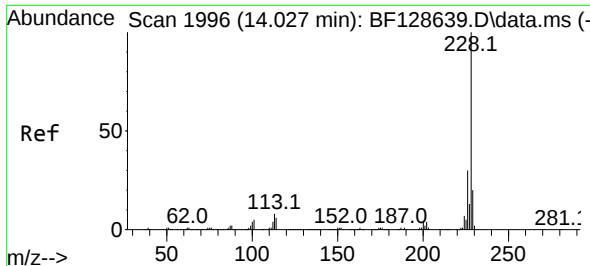


#81
 Benzo(a)anthracene
 Concen: 23.125 ng
 RT: 13.910 min Scan# 1976
 Delta R.T. -0.006 min
 Lab File: BF128916.D
 Acq: 22 Jun 2022 00:19



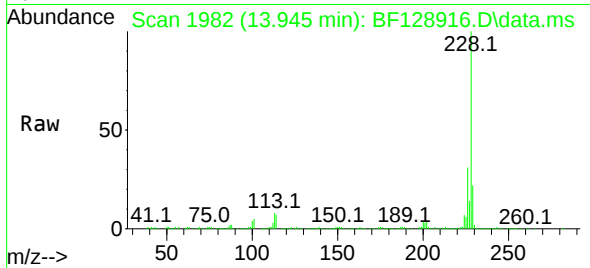
Tgt Ion:228 Resp: 276944
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.1 33.1
 229 19.8 15.8 23.8





#83
Chrysene
Concen: 18.709 ng
RT: 13.945 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

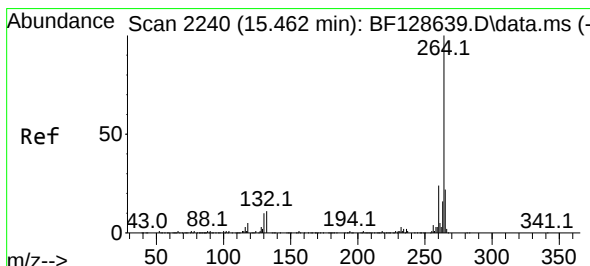
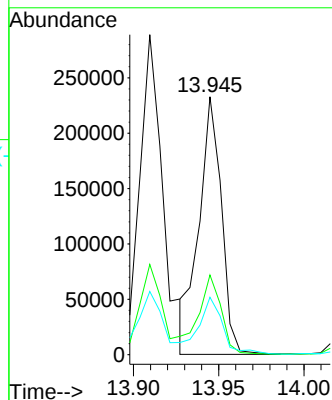
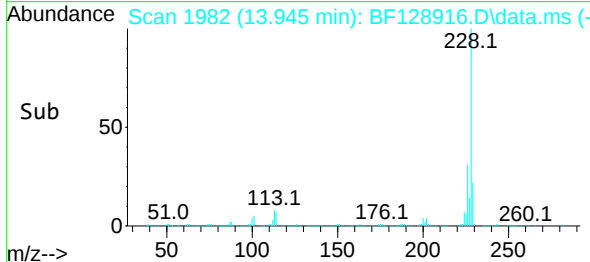
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620



Tgt Ion:228 Resp: 213612
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 22.3 15.9 23.9

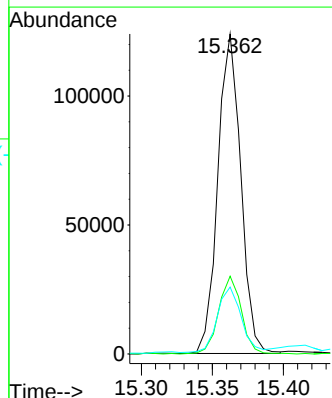
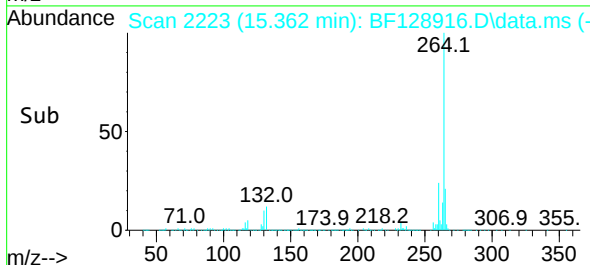
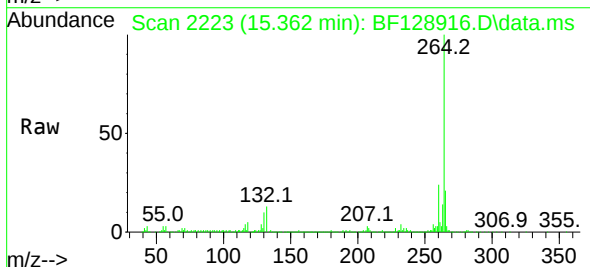
Manual Integrations
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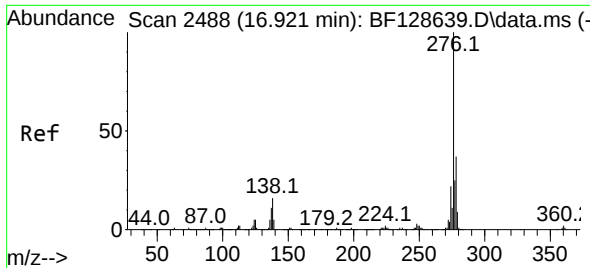
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.362 min Scan# 2223
Delta R.T. -0.000 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

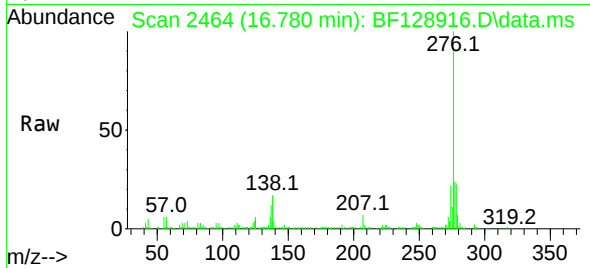
Tgt Ion:264 Resp: 138894
Ion Ratio Lower Upper
264 100
260 24.3 18.4 27.6
265 20.9 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.780 ng
RT: 16.780 min Scan# 2488
Delta R.T. -0.012 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

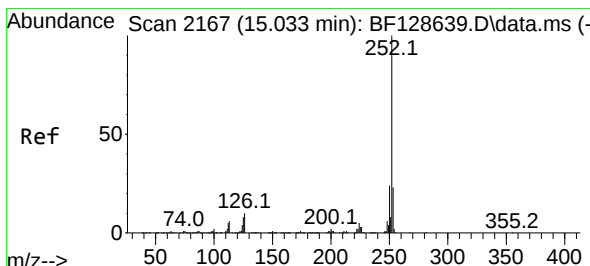
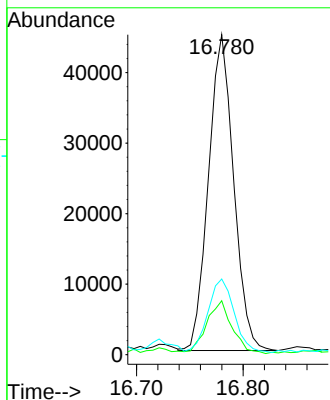
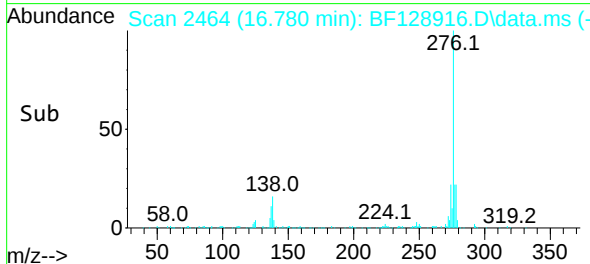
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620



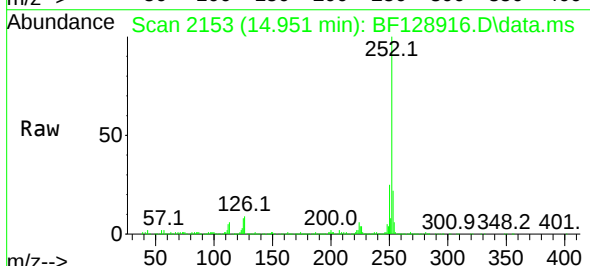
Tgt Ion:276 Resp: 73502
Ion Ratio Lower Upper
276 100
138 16.9 21.1 31.7
277 24.6 20.3 30.5

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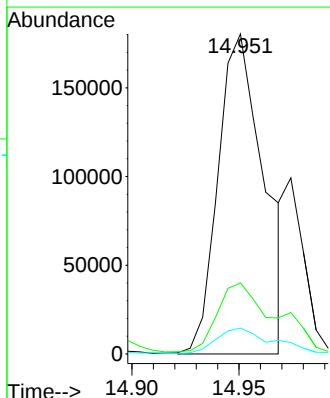
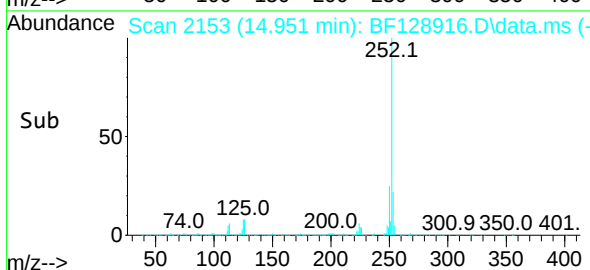
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022

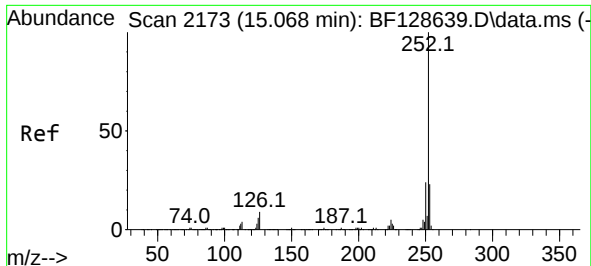


#88
Benzo(b)fluoranthene
Concen: 30.320 ng m
RT: 14.951 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19



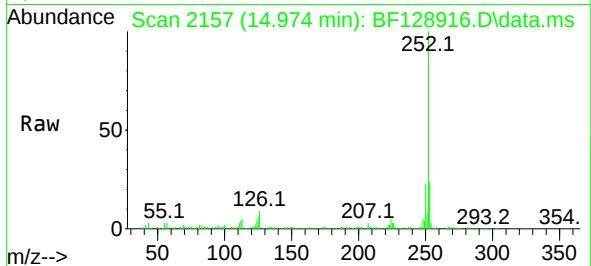
Tgt Ion:252 Resp: 269094
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 8.1 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 7.364 ng m
RT: 14.974 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

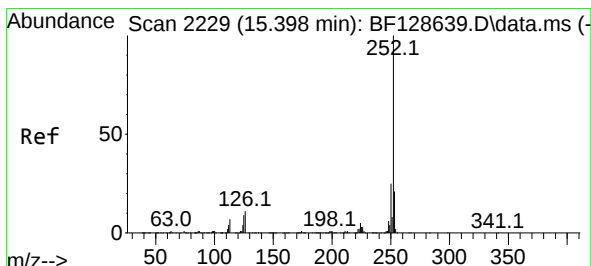
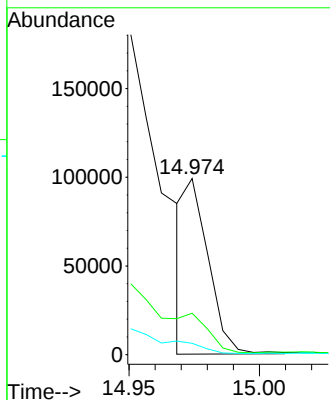
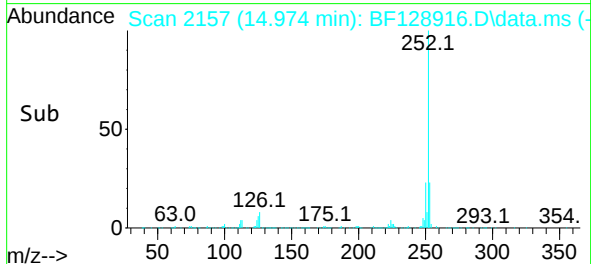
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620



Tgt Ion:252 Resp: 61480
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 6.4 8.3 12.5

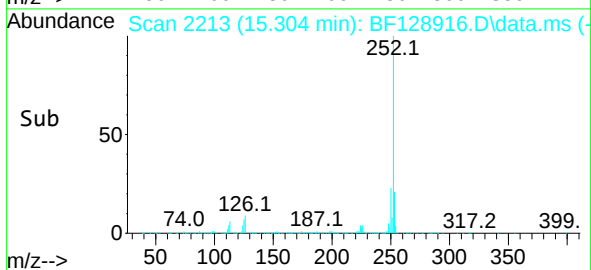
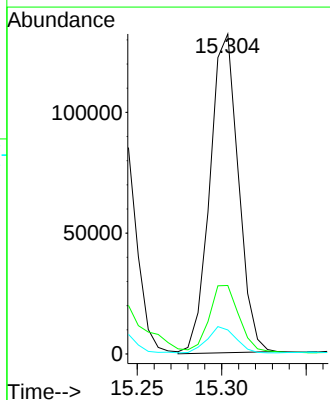
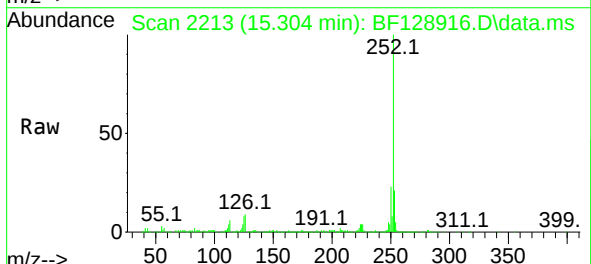
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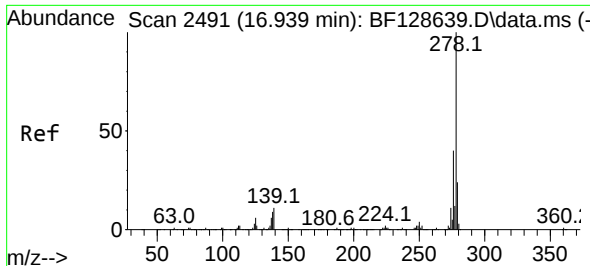
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#90
Benzo(a)pyrene
Concen: 22.268 ng m
RT: 15.304 min Scan# 2213
Delta R.T. -0.000 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

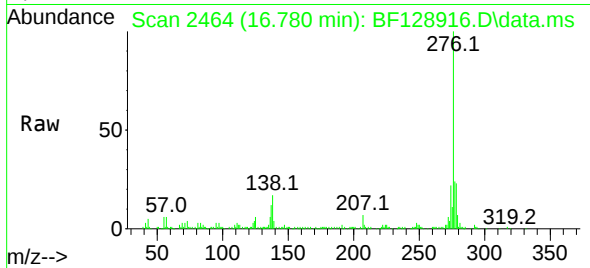
Tgt Ion:252 Resp: 155329
Ion Ratio Lower Upper
252 100
253 21.4 17.0 25.6
125 7.5 8.8 13.2#





#91
Dibenzo(a,h)anthracene
Concen: 2.906 ng m
RT: 16.780 min Scan# 2491
Delta R.T. -0.024 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

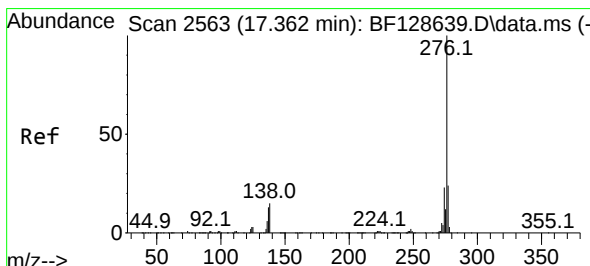
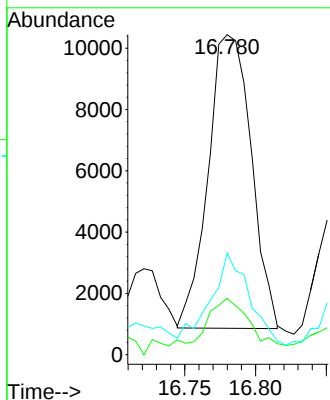
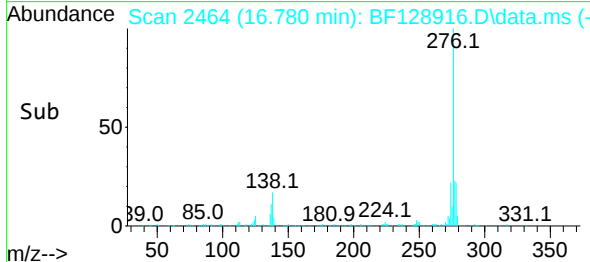
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620



Tgt Ion: 278 Resp: 2018
Ion Ratio Lower Upper
278 100
139 17.6 12.8 19.2
279 31.8 18.6 28.0

Manual Integrations
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Reviewed By : Christian Giraldo 06/22/2022
Supervised By : Jagrut Upadhyay 06/22/2022



#92
Benzo(g,h,i)perylene
Concen: 9.989 ng
RT: 17.209 min Scan# 2537
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion: 276 Resp: 68744
Ion Ratio Lower Upper
276 100
277 25.1 19.1 28.7
138 16.4 18.0 27.0

