

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062422\
 Data File : BF128984.D
 Acq On : 24 Jun 2022 12:36
 Operator : CG\JU
 Sample : N3465-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-E1(0-4)DL

Quant Time: Jun 25 06:12:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 00:50:48 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/27/2022
 Supervised By : Jagrut Upadhyay 06/27/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	118156	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	480698	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	268109	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	498056	20.000	ng	0.00
76) Chrysene-d12	13.898	240	253093	20.000	ng	# 0.00
86) Perylene-d12	15.339	264	196490	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	26252	3.539	ng	0.00
7) Phenol-d6	6.387	99	34389	3.798	ng	0.00
23) Nitrobenzene-d5	7.287	82	23117	2.239	ng	-0.02
42) 2,4,6-Tribromophenol	10.557	330	8481	2.677	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	42154	2.202	ng	-0.01
79) Terphenyl-d14	12.833	244	43805	3.007	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.792	154	42499	2.777	ng	96
58) Fluorene	10.310	166	61528	3.607	ng	99
71) Phenanthrene	11.280	178	886026	35.467	ng	98
72) Anthracene	11.328	178	181372	7.335	ng	98
75) Fluoranthene	12.469	202	728726	27.907	ng	98
78) Pyrene	12.698	202	781501	41.503	ng	99
81) Benzo(a)anthracene	13.886	228	281015	17.813	ng	99
83) Chrysene	13.922	228	243145	16.166	ng	99
87) Indeno(1,2,3-cd)pyrene	16.751	276	90851	7.671	ng	# 89
88) Benzo(b)fluoranthene	14.927	252	239263m	19.056	ng	
89) Benzo(k)fluoranthene	14.945	252	83914m	7.105	ng	
90) Benzo(a)pyrene	15.274	252	155177m	15.725	ng	
91) Dibenzo(a,h)anthracene	16.745	278	28925	2.944	ng	95
92) Benzo(g,h,i)perylene	17.174	276	90830	9.329	ng	# 92

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

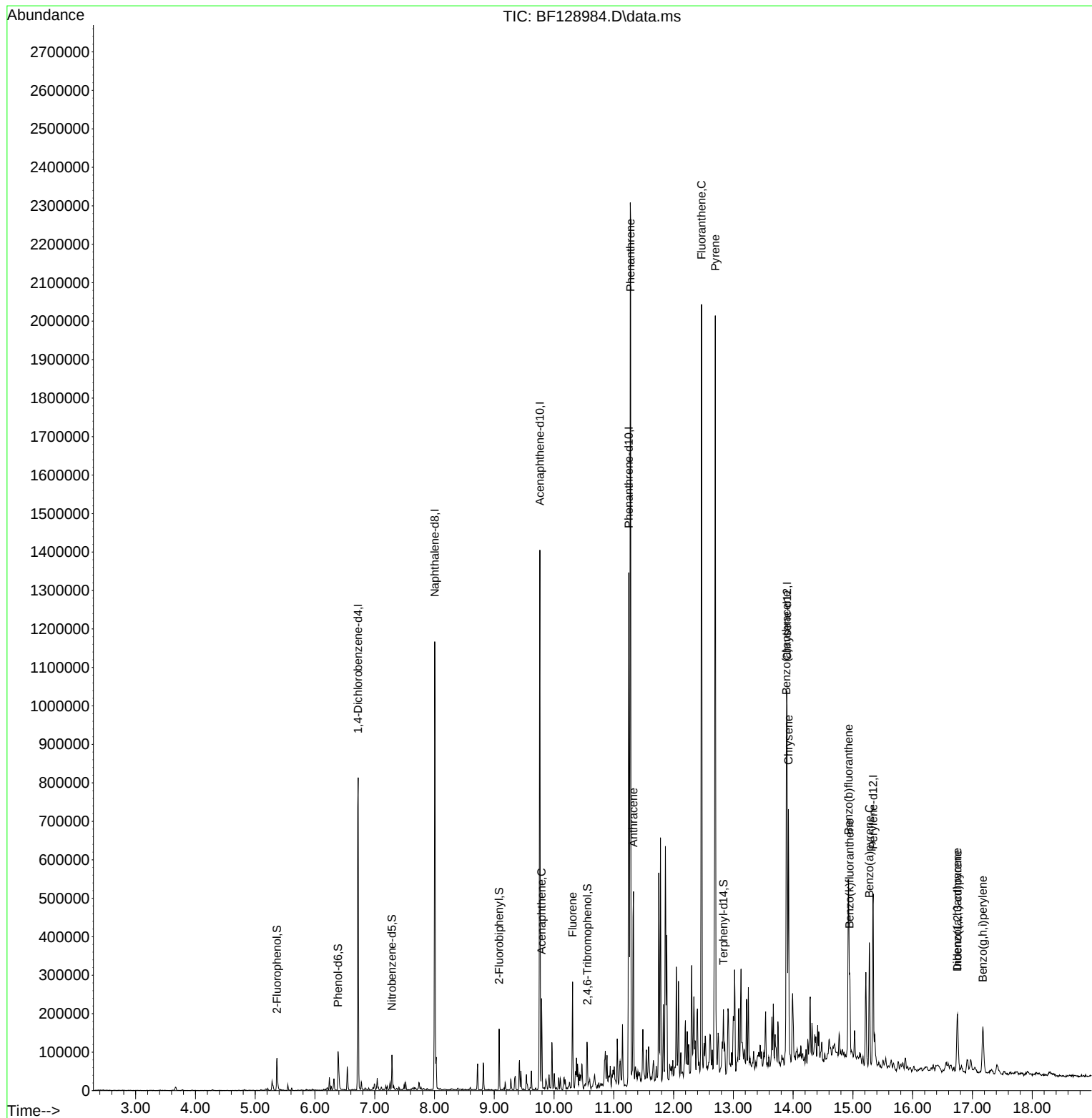
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062422\
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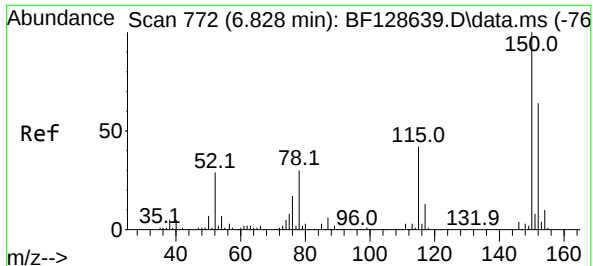
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
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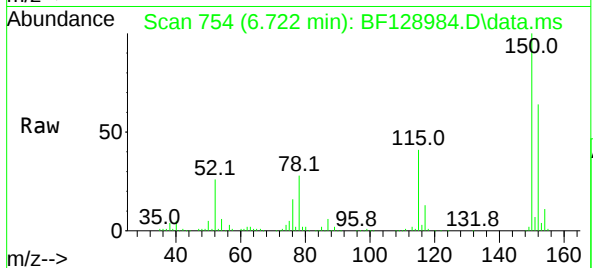
Reviewed By : Christian Giraldo 06/27/2022
Supervised By : Jagrut Upadhyay 06/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

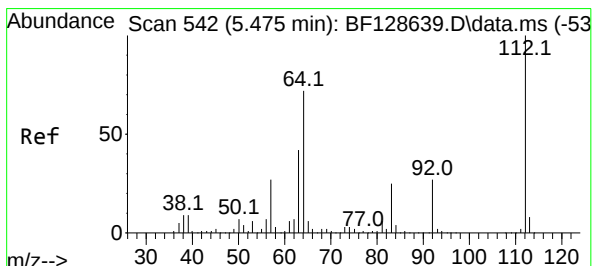
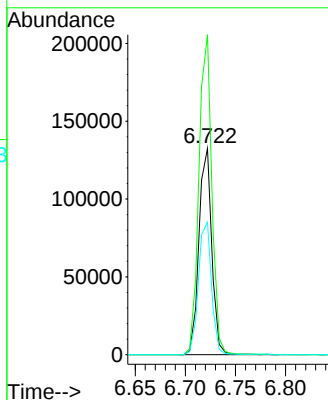
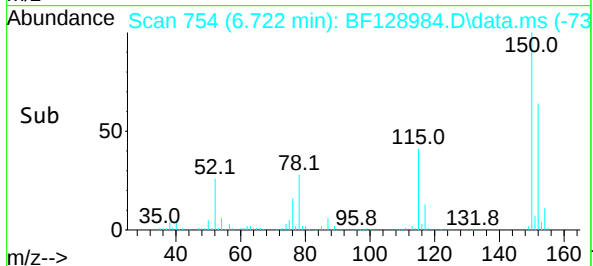
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BNA_F
ClientSampleId :
WC-E1(0-4)DL



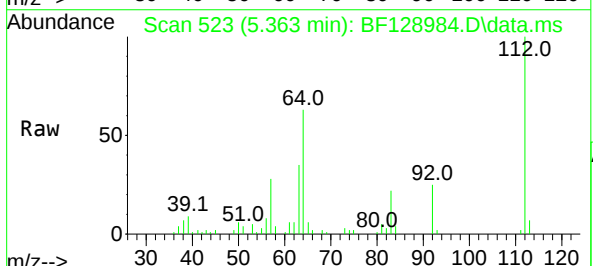
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Ion Ratio Lower Upper
152 100
150 155.1 123.7 185.5
115 64.3 49.9 74.9

Manual Integrations
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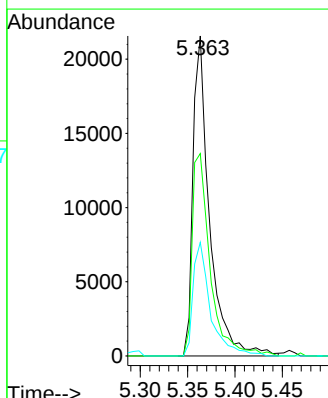
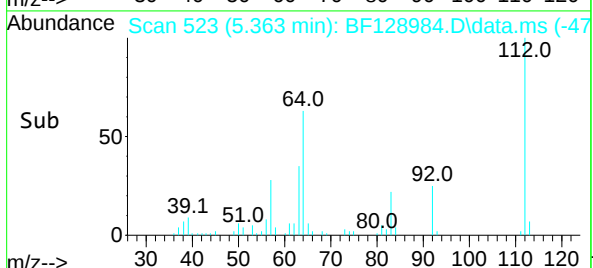
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#5
2-Fluorophenol
Concen: 3.539 ng
RT: 5.363 min Scan# 523
Delta R.T. 0.006 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36



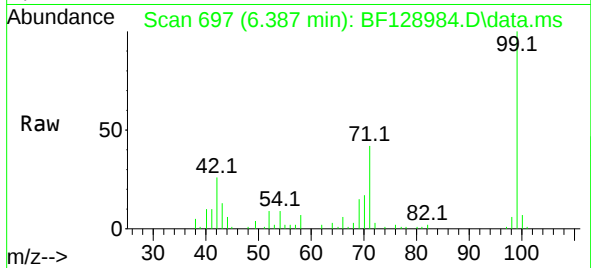
Tgt Ion:112 Resp: 26252
Ion Ratio Lower Upper
112 100
64 63.2 53.3 79.9
63 35.5 28.0 42.0





#7
Phenol-d6
Concen: 3.798 ng
RT: 6.387 min Scan# 64
Delta R.T. 0.000 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

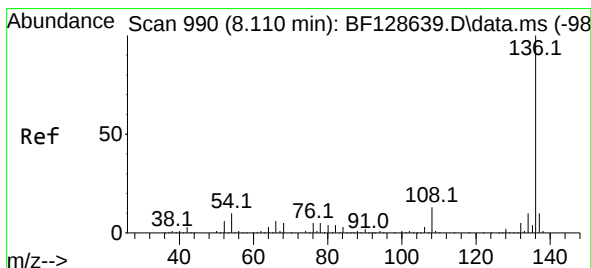
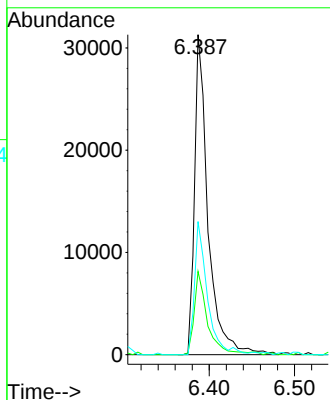
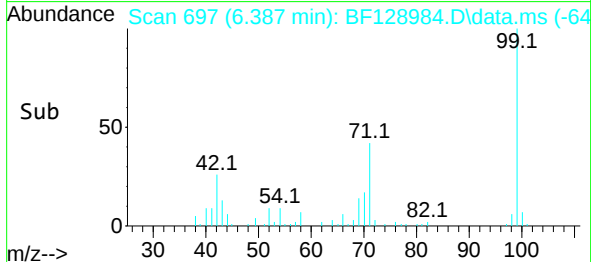
Instrument :
BNA_F
Client Sample Id :
WC-E1(0-4)DL



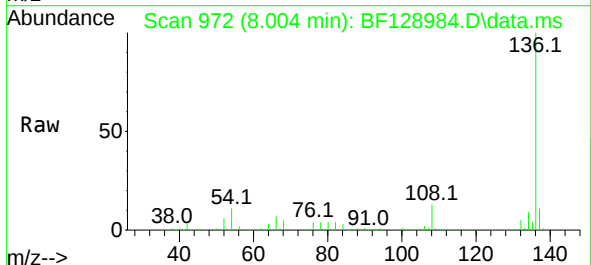
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Ion Ratio Lower Upper
99 100
42 26.0 17.3 25.9
71 41.6 28.9 43.3

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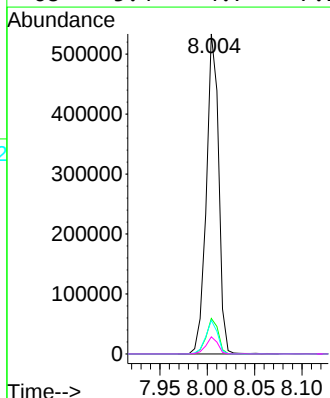
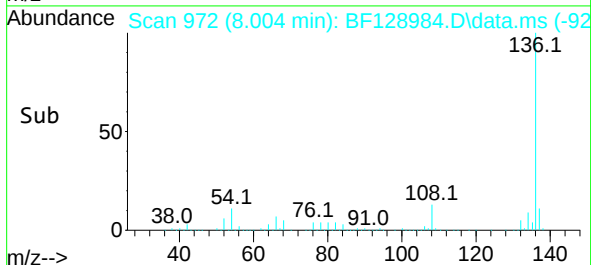
Reviewed By :Christian Giraldo 06/27/2022
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 972
Delta R.T. -0.006 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36



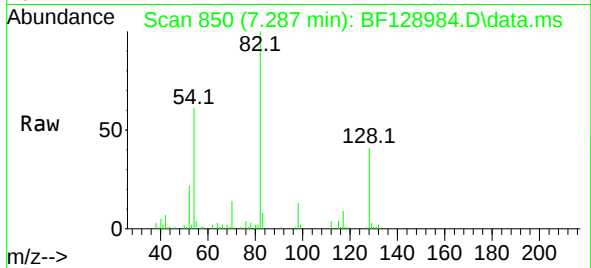
Tgt Ion:136 Resp: 480698
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.5 7.5 11.3
68 5.4 4.7 7.1





#23
Nitrobenzene-d5
Concen: 2.239 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

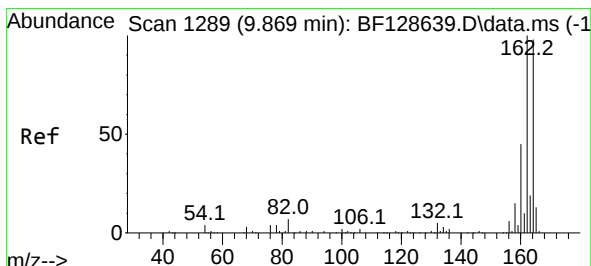
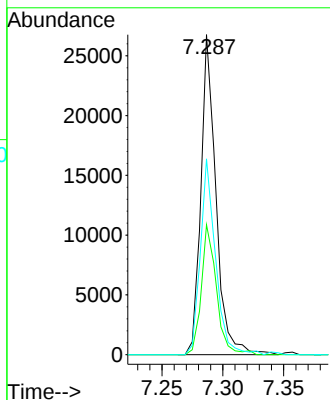
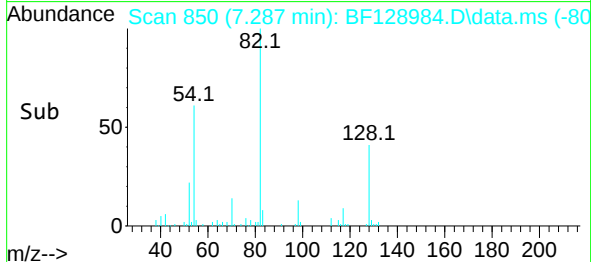
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)DL



Tgt Ion: 82 Resp: 2311
Ion Ratio Lower Upper
82 100
128 40.6 34.0 51.0
54 61.2 46.9 70.3

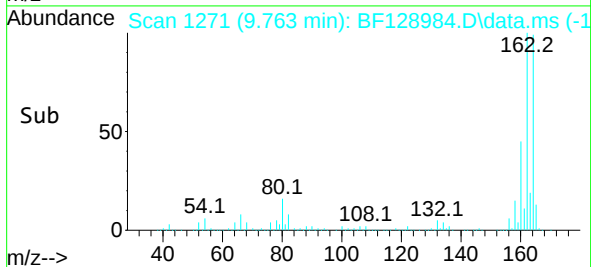
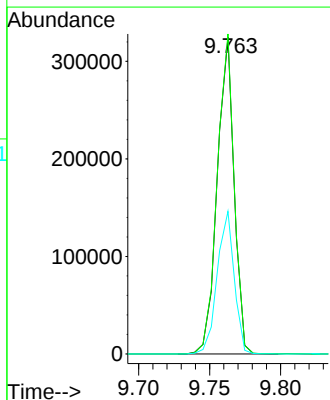
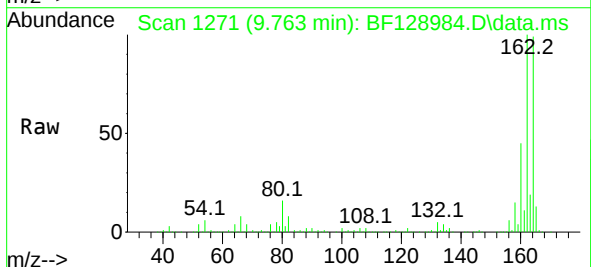
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

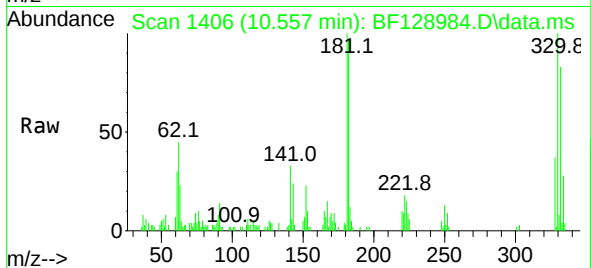
Tgt Ion:164 Resp: 268109
Ion Ratio Lower Upper
164 100
162 100.9 79.5 119.3
160 45.0 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 2.677 ng
RT: 10.557 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

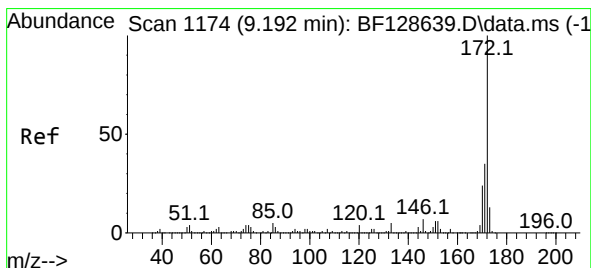
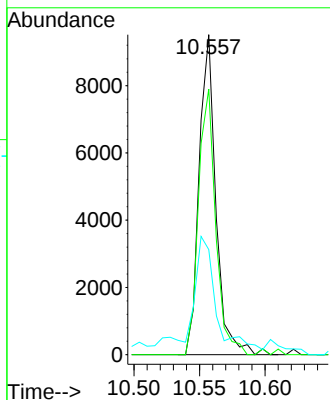
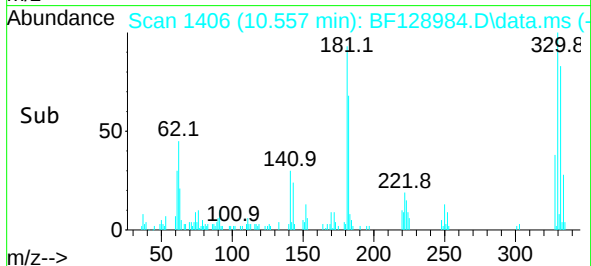
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)DL



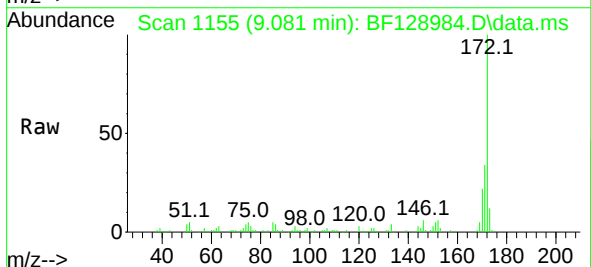
Tgt Ion: 330 Resp: 848
Ion Ratio Lower Upper
330 100
332 85.3 76.8 115.2
141 59.9 28.0 42.0

Manual Integrations
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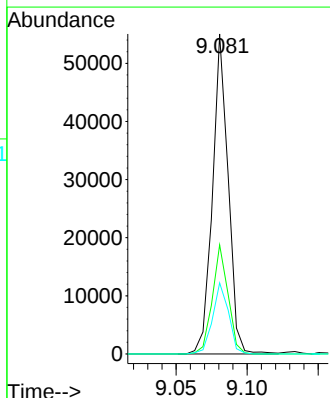
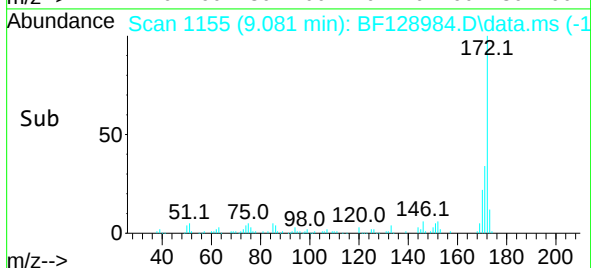
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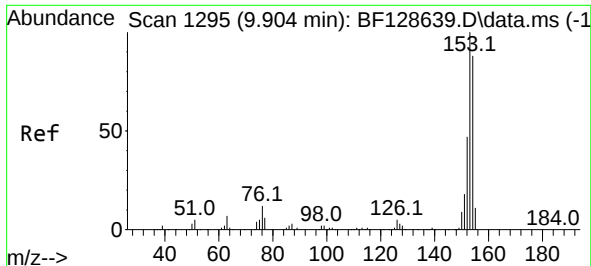


#45
2-Fluorobiphenyl
Concen: 2.202 ng
RT: 9.081 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36



Tgt Ion: 172 Resp: 42154
Ion Ratio Lower Upper
172 100
171 34.1 28.8 43.2
170 22.2 19.8 29.8





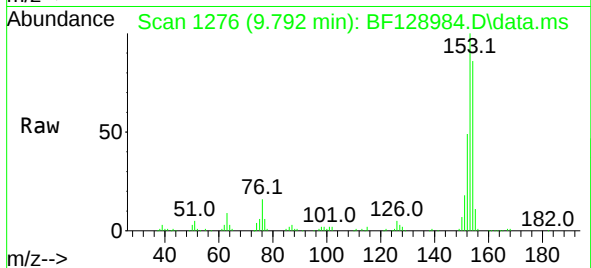
#52
Acenaphthene
Concen: 2.777 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

Instrument :

BNA_F

ClientSampleId :

WC-E1(0-4)DL

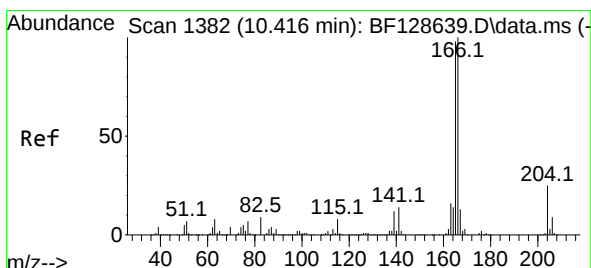
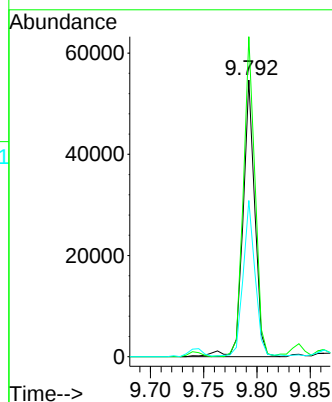
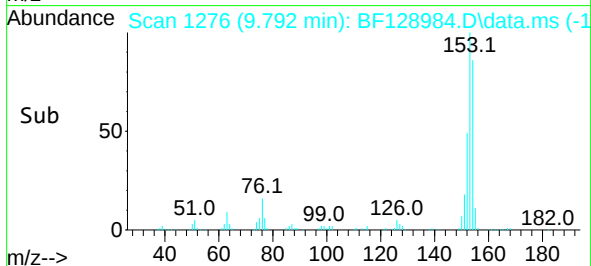


Tgt Ion:154 Resp: 42499
Ion Ratio Lower Upper
154 100
153 115.7 89.6 134.4
152 56.5 42.4 63.6

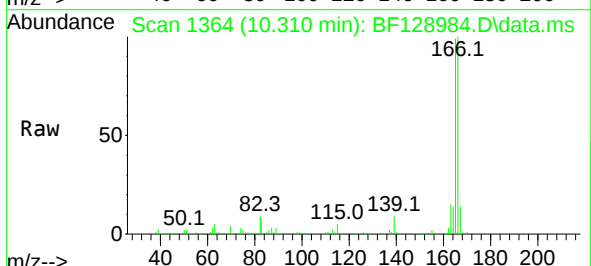
Manual Integrations

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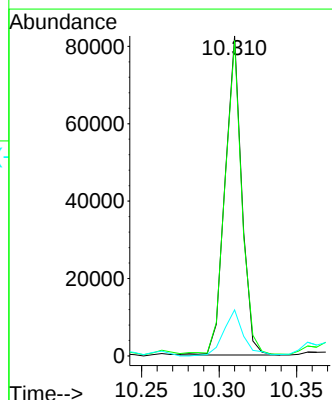
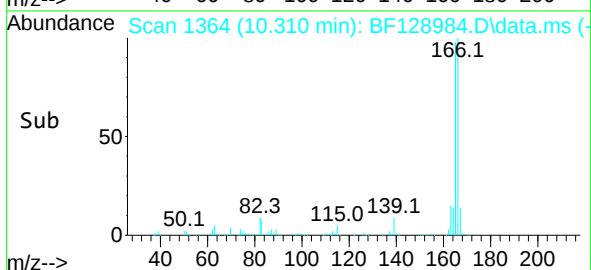
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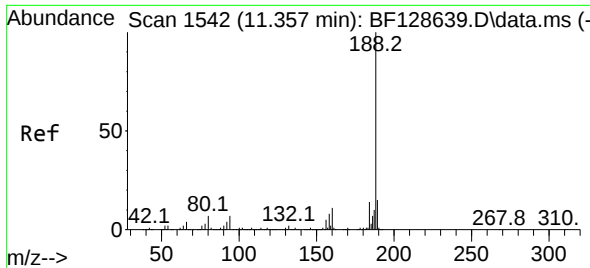


#58
Fluorene
Concen: 3.607 ng
RT: 10.310 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36



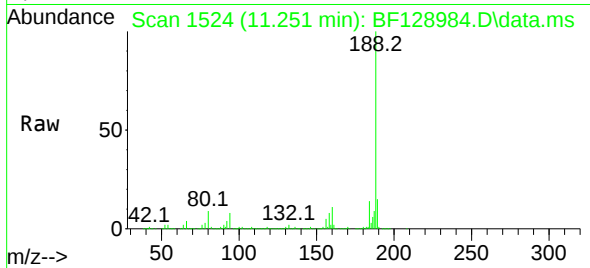
Tgt Ion:166 Resp: 61528
Ion Ratio Lower Upper
166 100
165 98.5 78.1 117.1
167 14.4 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1524
Delta R.T. 0.000 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

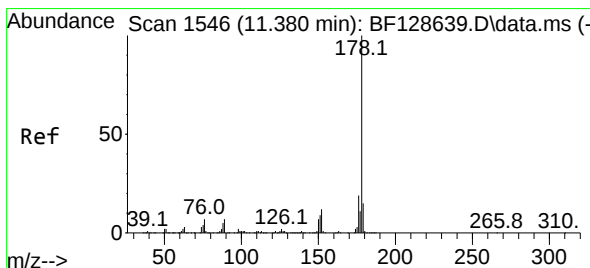
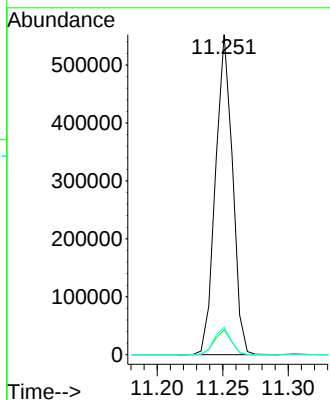
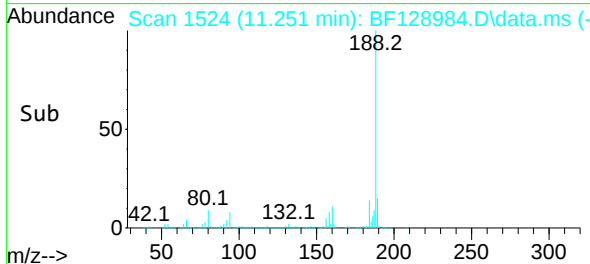
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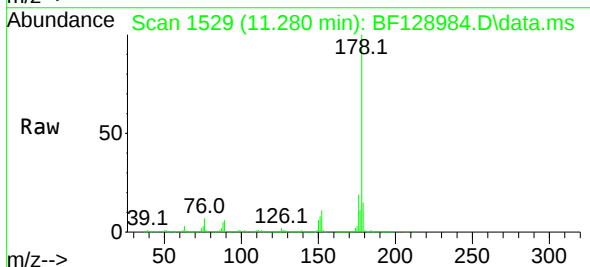
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Ion Ratio Lower Upper
188 100
94 7.8 7.0 10.6
80 8.6 7.6 11.4

Manual Integrations
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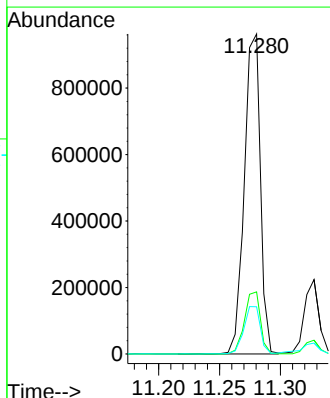
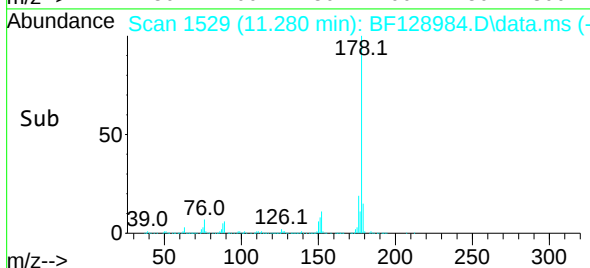
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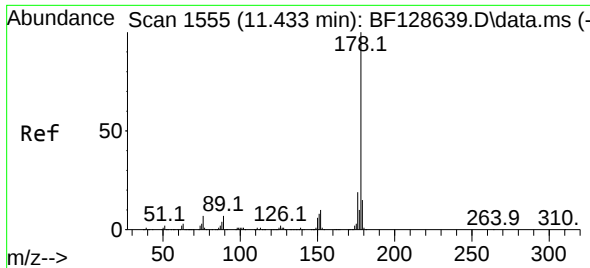


#71
Phenanthrene
Concen: 35.467 ng
RT: 11.280 min Scan# 1529
Delta R.T. 0.000 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36



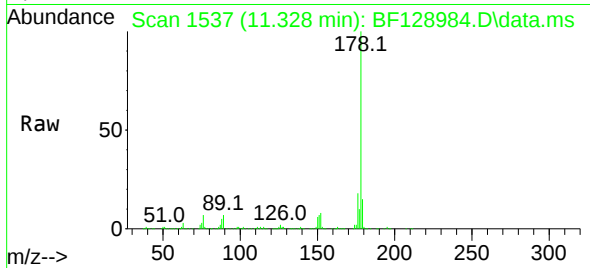
Tgt Ion:178 Resp: 886026
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 14.8 12.6 19.0





#72
 Anthracene
 Concen: 7.335 ng
 RT: 11.328 min Scan# 11
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 Lab File: BF128984.D
 Acq: 24 Jun 2022 12:36

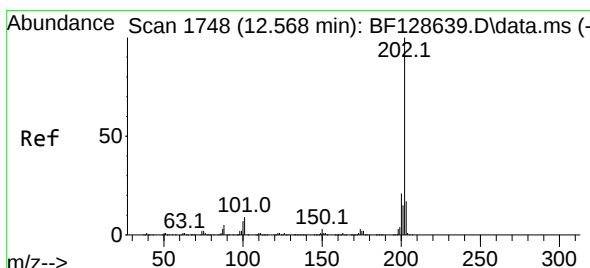
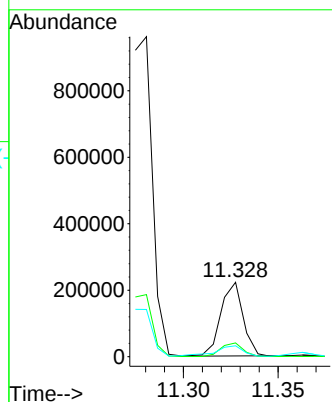
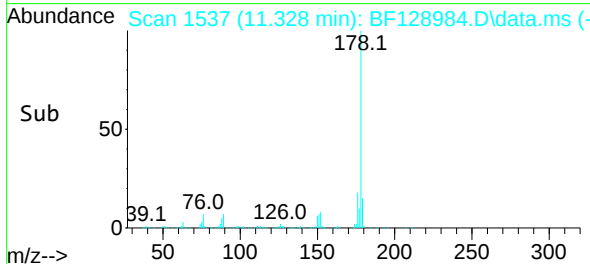
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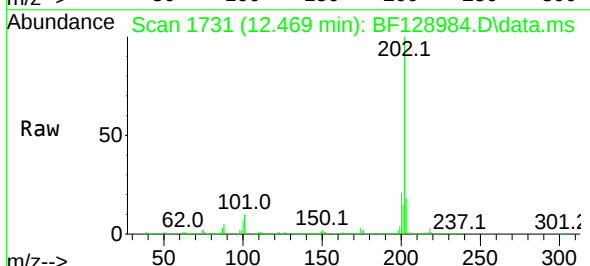
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 Ion Ratio Lower Upper
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 176 18.4 15.4 23.2
 179 14.6 12.6 19.0

Manual Integrations
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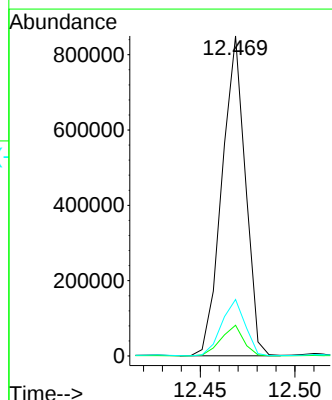
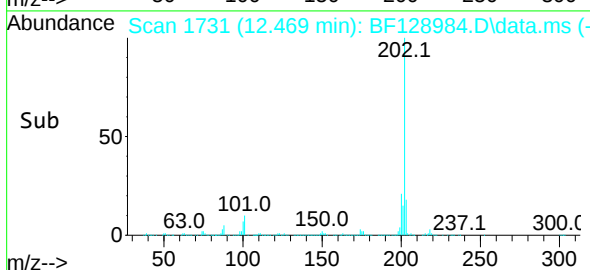
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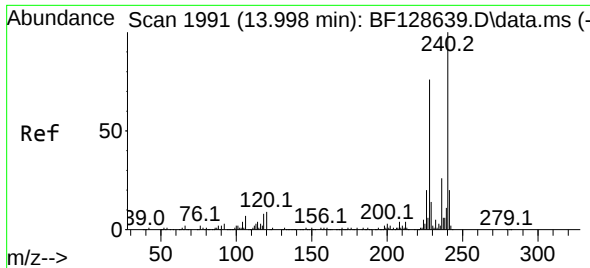


#75
 Fluoranthene
 Concen: 27.907 ng
 RT: 12.469 min Scan# 1731
 Delta R.T. 0.000 min
 Lab File: BF128984.D
 Acq: 24 Jun 2022 12:36



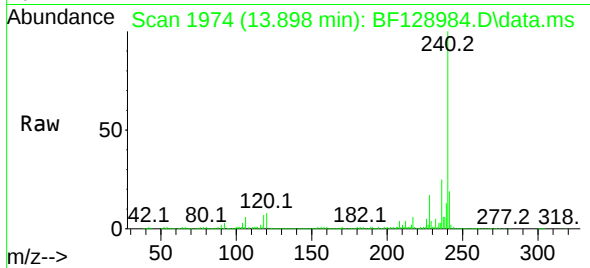
Tgt Ion:202 Resp: 728726
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 31.4
 203 17.6 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

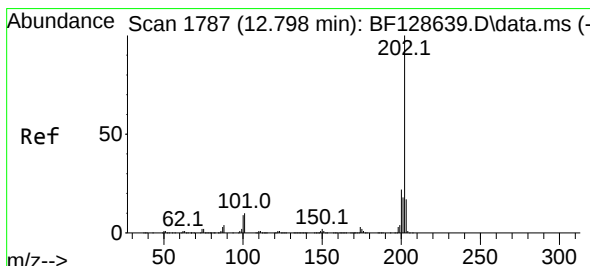
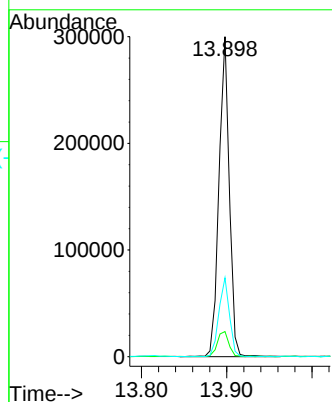
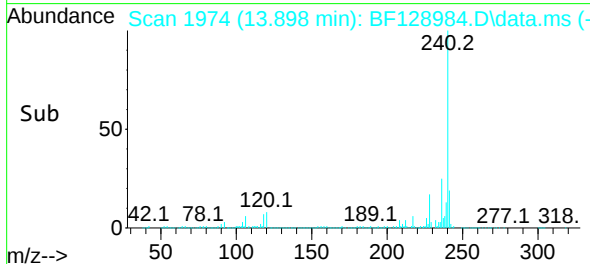
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)DL



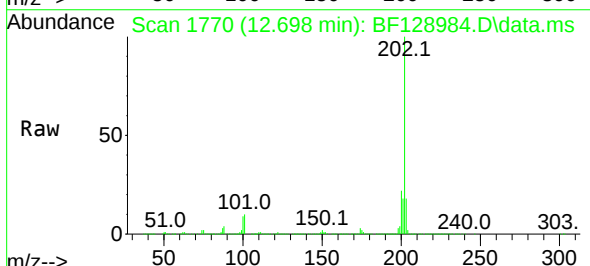
Tgt Ion:240 Resp: 253091
Ion Ratio Lower Upper
240 100
120 7.9 8.9 13.3
236 24.7 20.8 31.2

Manual Integrations
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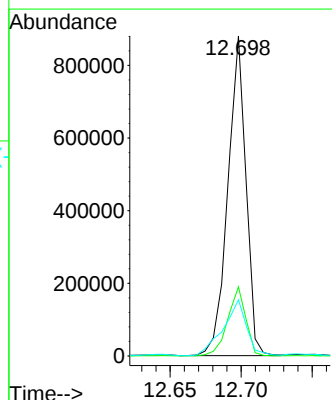
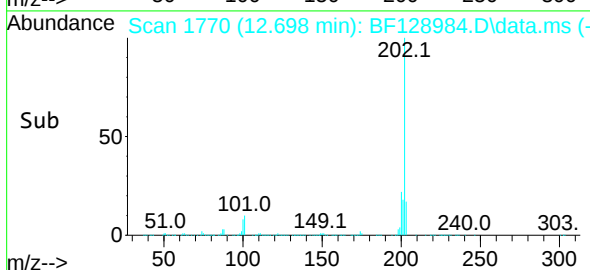
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022

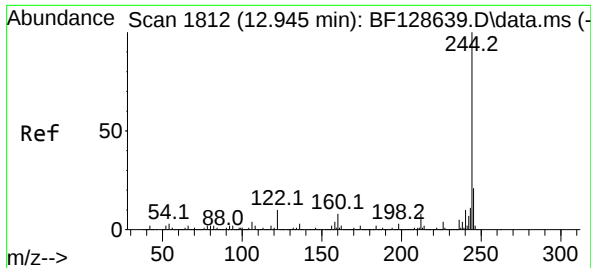


#78
Pyrene
Concen: 41.503 ng
RT: 12.698 min Scan# 1770
Delta R.T. 0.000 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36



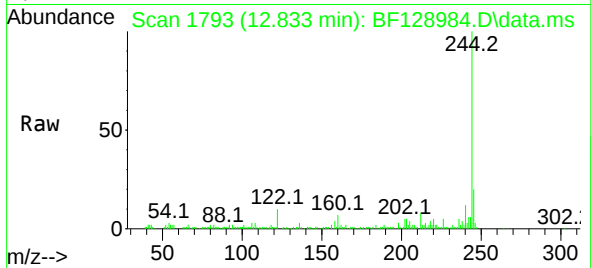
Tgt Ion:202 Resp: 781501
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 17.6 14.6 21.8





#79
Terphenyl-d14
Concen: 3.007 ng
RT: 12.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

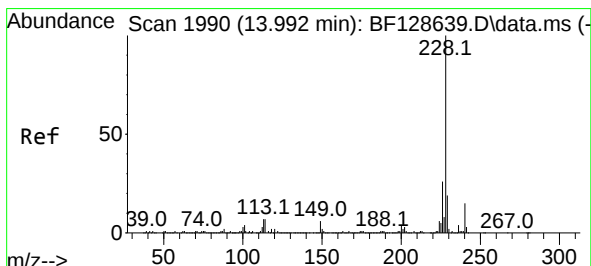
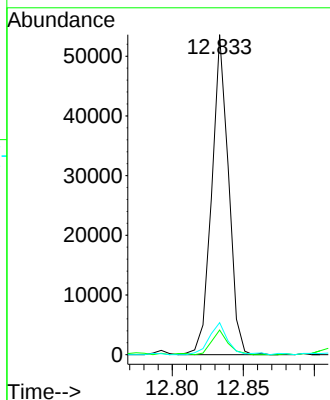
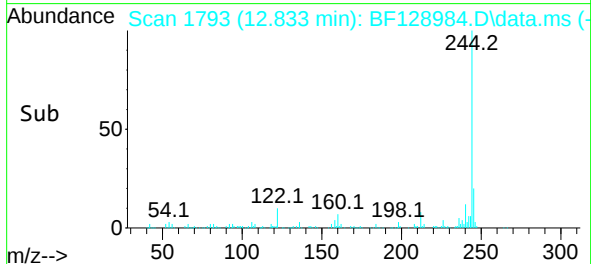
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)DL



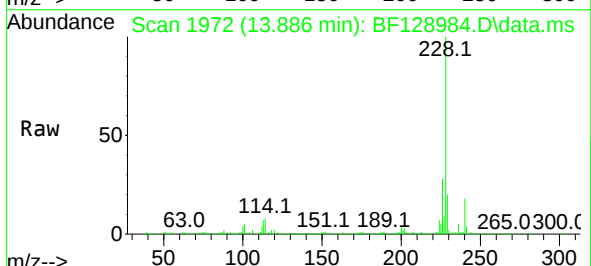
Tgt Ion:244 Resp: 4380
Ion Ratio Lower Upper
244 100
212 7.7 6.1 9.1
122 10.0 8.8 13.2

Manual Integrations
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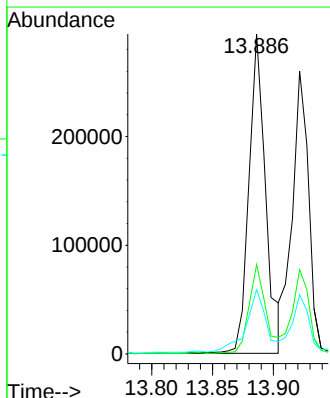
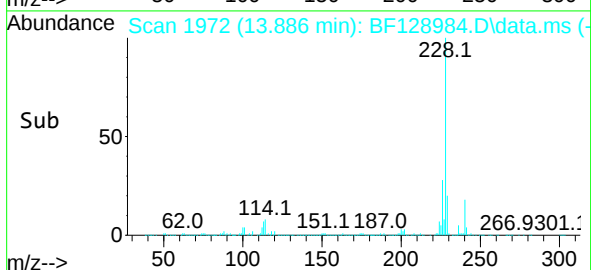
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022

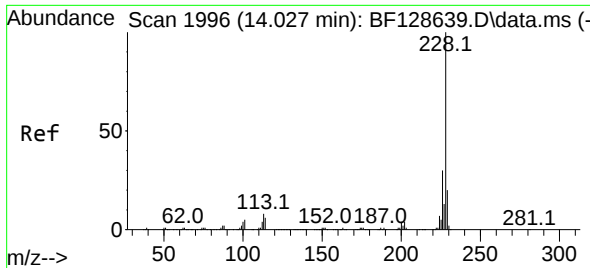


#81
Benzo(a)anthracene
Concen: 17.813 ng
RT: 13.886 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36



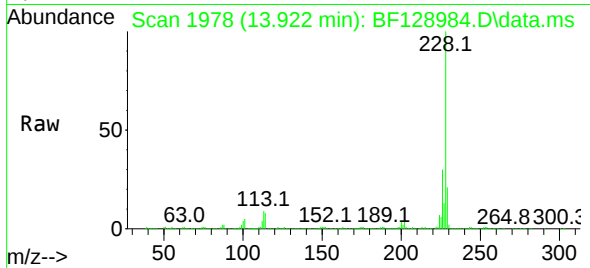
Tgt Ion:228 Resp: 281015
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 20.1 15.8 23.8





#83
Chrysene
Concen: 16.166 ng
RT: 13.922 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

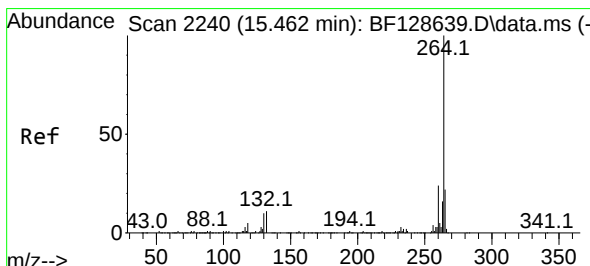
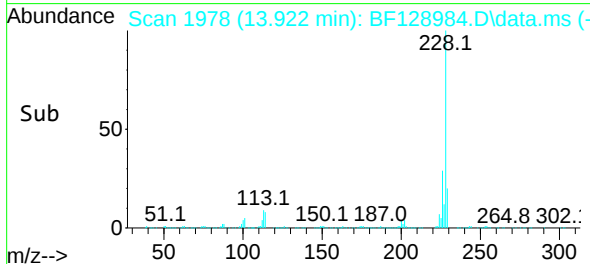
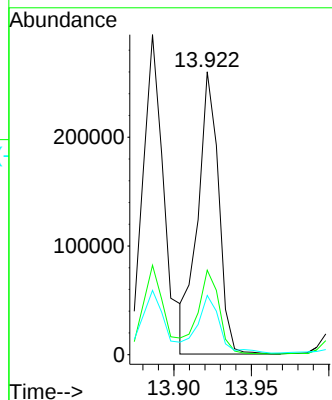
Instrument :
BNA_F
Client Sample Id :
WC-E1(0-4)DL



Tgt Ion:228 Resp: 243145
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 20.9 15.9 23.9

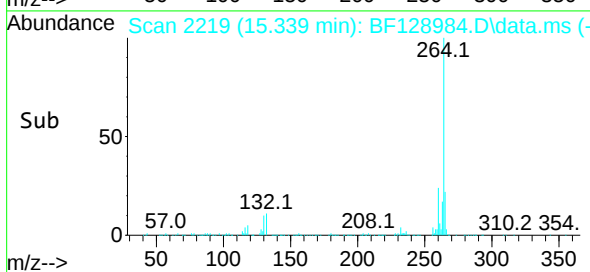
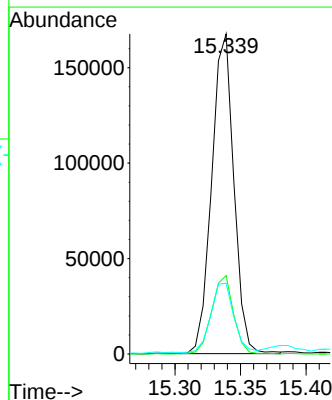
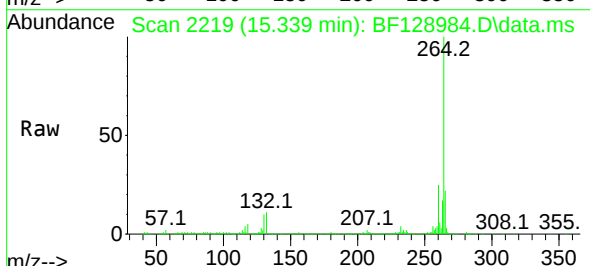
Manual Integrations
APPROVED

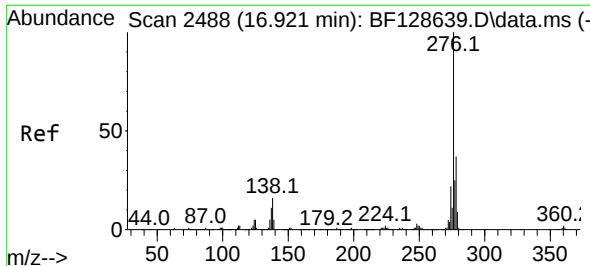
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.339 min Scan# 2219
Delta R.T. 0.012 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

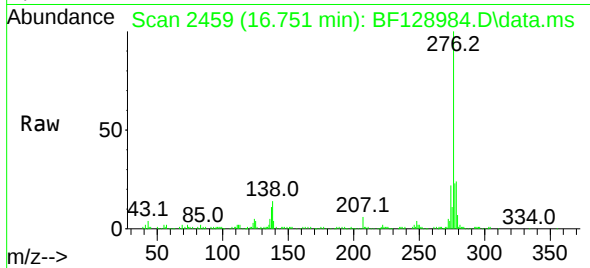
Tgt Ion:264 Resp: 196490
Ion Ratio Lower Upper
264 100
260 24.5 18.4 27.6
265 22.1 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.671 ng
RT: 16.751 min Scan# 2488
Delta R.T. 0.006 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

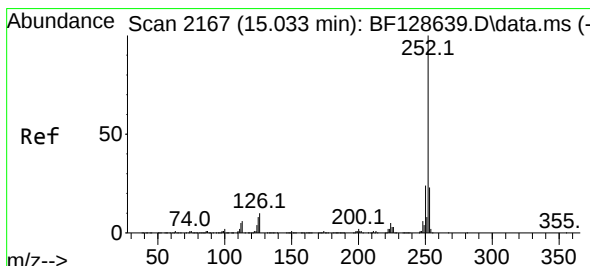
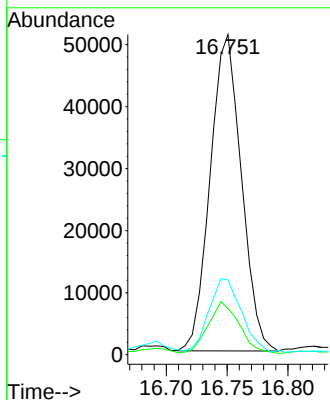
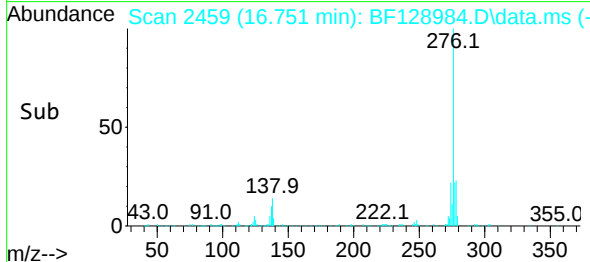
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)DL



Tgt Ion: 276 Resp: 9085
Ion Ratio Lower Upper
276 100
138 16.3 21.1 31.7
277 24.0 20.3 30.5

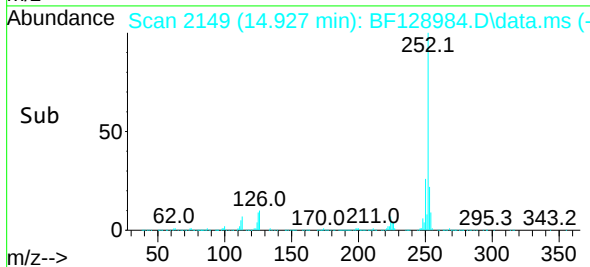
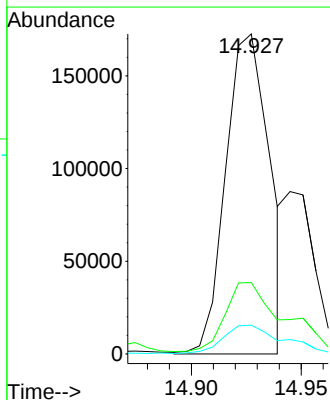
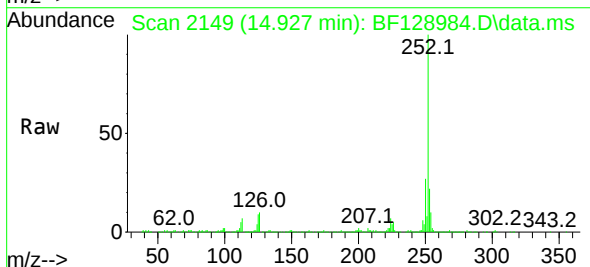
Manual Integrations
APPROVED

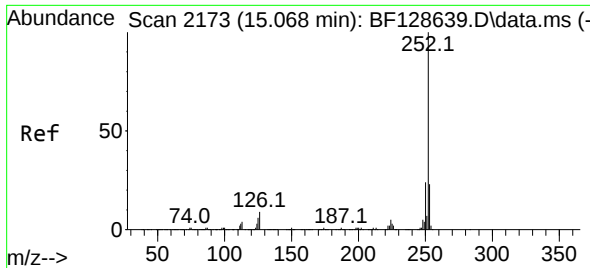
Reviewed By : Christian Giraldo 06/27/2022
Supervised By : Jagrut Upadhyay 06/27/2022



#88
Benzo(b)fluoranthene
Concen: 19.056 ng m
RT: 14.927 min Scan# 2149
Delta R.T. 0.006 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

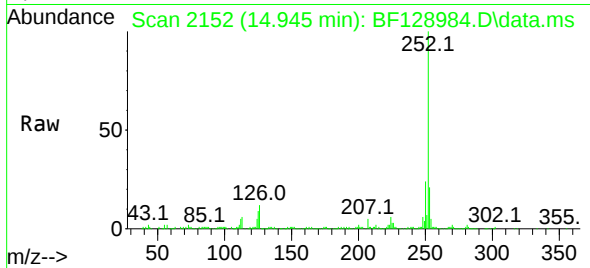
Tgt Ion: 252 Resp: 239263
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 9.0 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 7.105 ng m
RT: 14.945 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

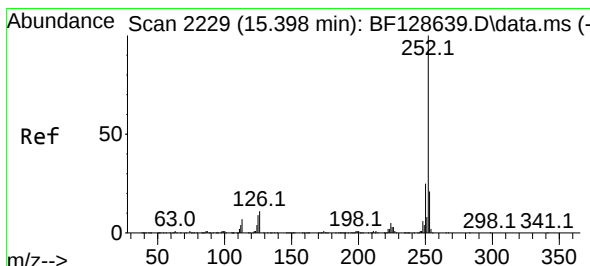
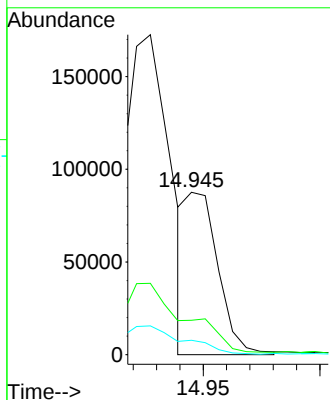
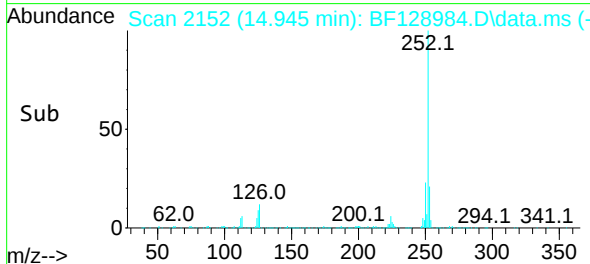
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)DL



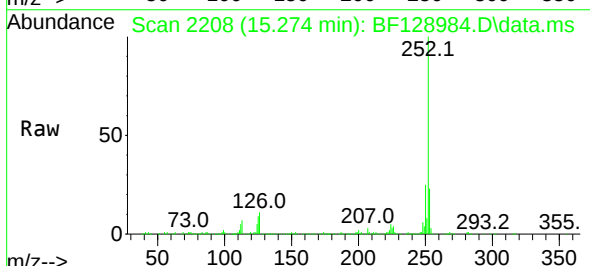
Tgt Ion:252 Resp: 83914
Ion Ratio Lower Upper
252 100
253 21.2 17.8 26.6
125 8.9 8.3 12.5

Manual Integrations
APPROVED

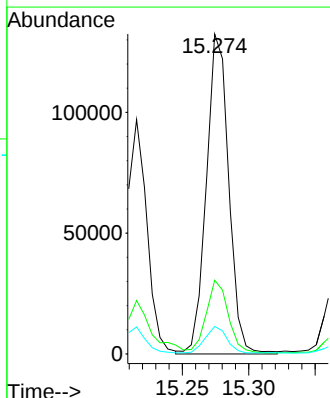
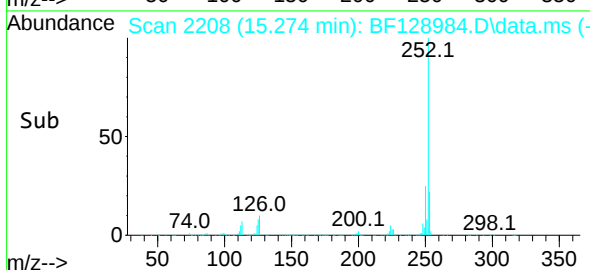
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022

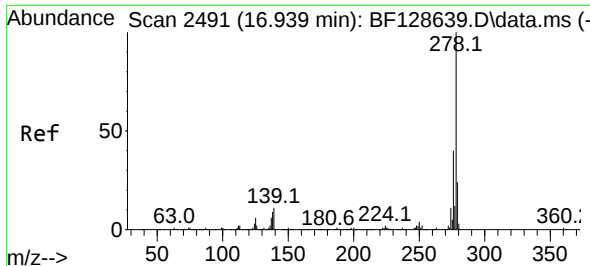


#90
Benzo(a)pyrene
Concen: 15.725 ng m
RT: 15.274 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36



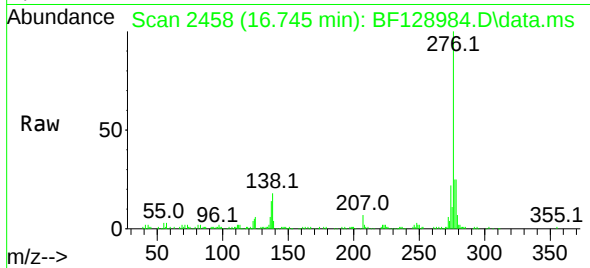
Tgt Ion:252 Resp: 155177
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 8.6 8.8 13.2#





#91
Dibenzo(a,h)anthracene
Concen: 2.944 ng
RT: 16.745 min Scan# 2491
Delta R.T. -0.006 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

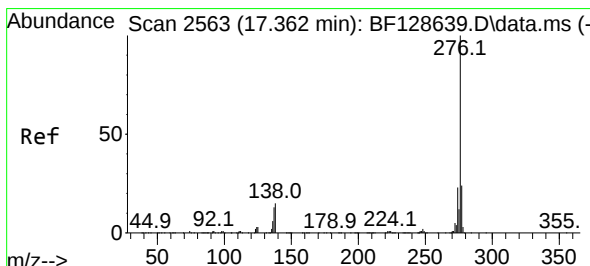
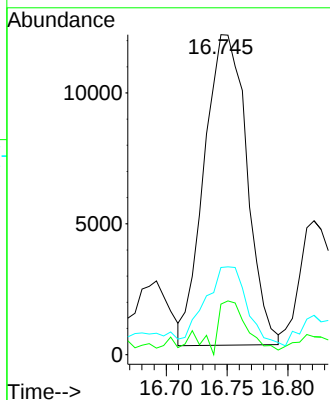
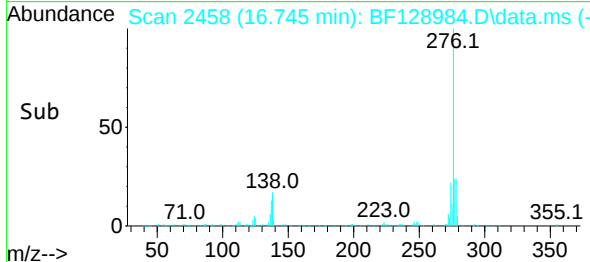
Instrument :
BNA_F
Client Sample Id :
WC-E1(0-4)DL



Tgt Ion: 278 Resp: 2892
Ion Ratio Lower Upper
278 100
139 15.8 12.8 19.2
279 27.3 18.6 28.0

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 06/27/2022
Supervised By : Jagrut Upadhyay 06/27/2022



#92
Benzo(g,h,i)perylene
Concen: 9.329 ng
RT: 17.174 min Scan# 2531
Delta R.T. 0.006 min
Lab File: BF128984.D
Acq: 24 Jun 2022 12:36

Tgt Ion: 276 Resp: 90830
Ion Ratio Lower Upper
276 100
277 24.8 19.1 28.7
138 15.5 18.0 27.0#

