

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051922\
 Data File : BF128353.D
 Acq On : 19 May 2022 23:22
 Operator : CG\JU
 Sample : N2901-01DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-051722DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/20/2022
 Supervised By : Jagrut Upadhyay 05/20/2022

Quant Time: May 20 02:47:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 06:47:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	84759	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	307412	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	145800	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	232068	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	215421	20.000	ng	-0.01
86) Perylene-d12	15.533	264	193240	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	91725	17.252	ng	-0.01
7) Phenol-d6	6.493	99	118881	16.905	ng	-0.02
23) Nitrobenzene-d5	7.428	82	77007	11.272	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	20685	12.370	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	122525	13.149	ng	-0.02
79) Terphenyl-d14	12.980	244	114660	9.987	ng	-0.01
Target Compounds						Qvalue
58) Fluorene	10.451	166	18827	2.063	ng	98
71) Phenanthrene	11.422	178	153125	13.251	ng	98
72) Anthracene	11.469	178	51592	4.472	ng	98
75) Fluoranthene	12.616	202	381233	30.430	ng	96
78) Pyrene	12.845	202	343481	21.990	ng	99
81) Benzo(a)anthracene	14.033	228	219362	15.942	ng	98
83) Chrysene	14.069	228	176778	13.465	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	82713	7.076	ng	95
88) Benzo(b)fluoranthene	15.098	252	243489m	20.327	ng	
89) Benzo(k)fluoranthene	15.121	252	74089m	6.266	ng	
90) Benzo(a)pyrene	15.474	252	164332	16.993	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	20110	2.125	ng	# 71
92) Benzo(g,h,i)perylene	17.504	276	77426	8.080	ng	98

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

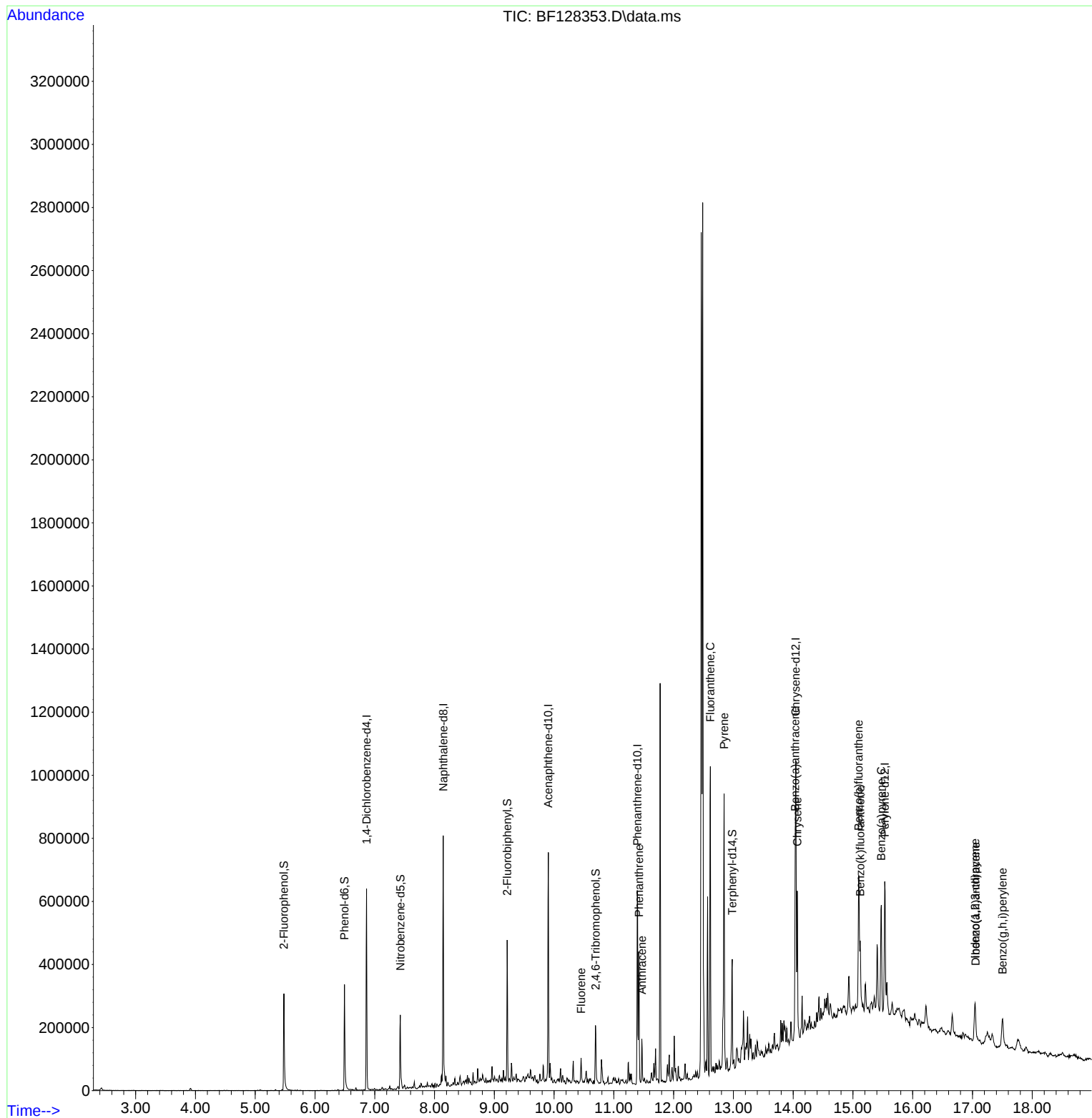
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051922\
Data File : BF128353.D
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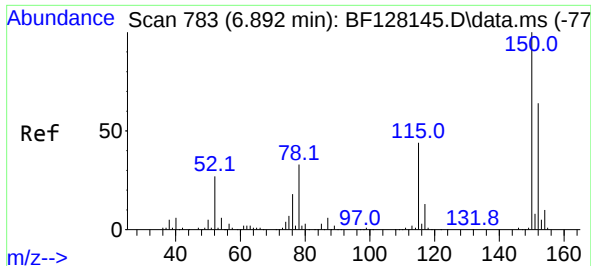
Instrument :
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EO-02-051722DL

Quant Time: May 20 02:47:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 06:47:51 2022
Response via : Initial Calibration

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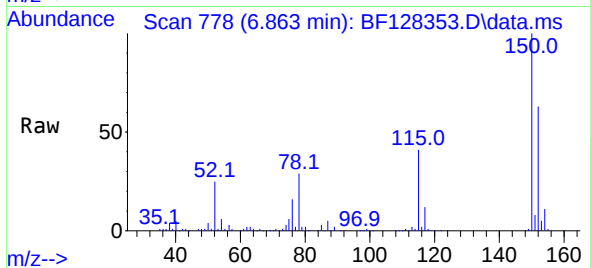
Reviewed By : Christian Giraldo 05/20/2022
Supervised By : Jagrut Upadhyay 05/20/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

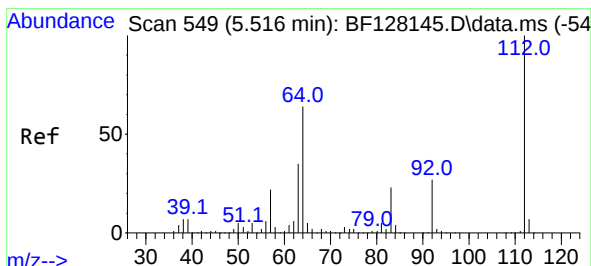
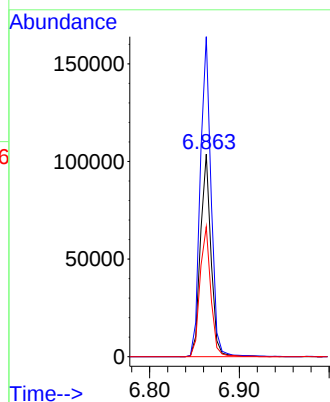
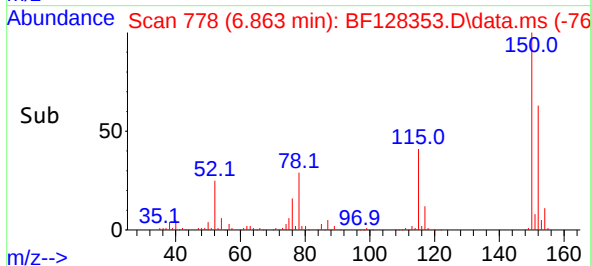
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BNA_F
ClientSampleId :
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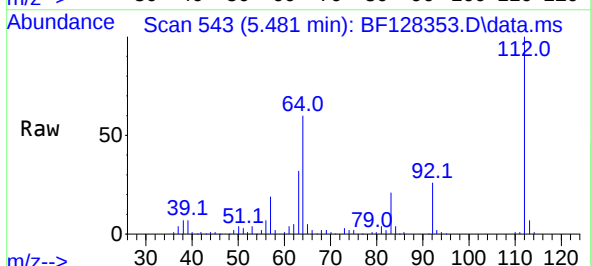
Tgt Ion:152 Resp: 84759
Ion Ratio Lower Upper
152 100
150 157.9 125.3 187.9
115 64.1 48.8 73.2

Manual Integrations
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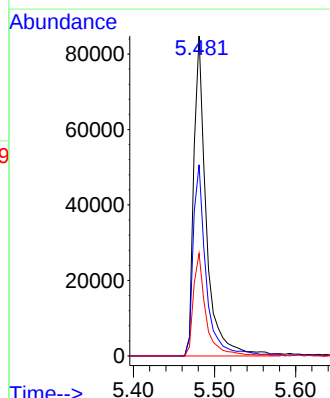
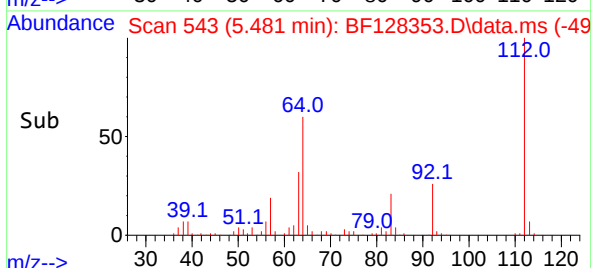
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022

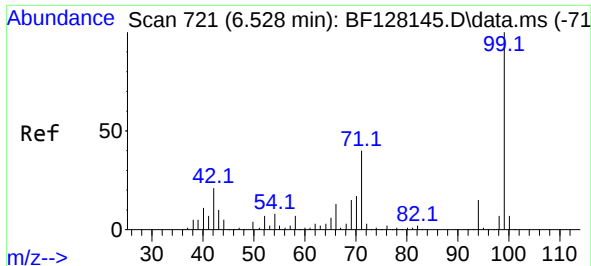


#5
2-Fluorophenol
Concen: 17.252 ng
RT: 5.481 min Scan# 543
Delta R.T. -0.012 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22



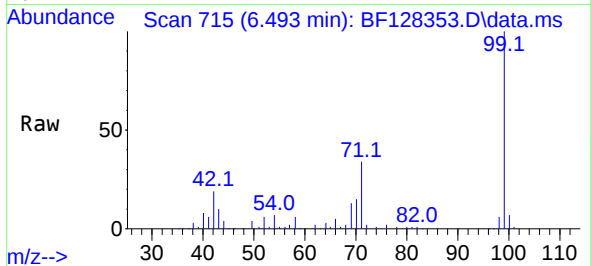
Tgt Ion:112 Resp: 91725
Ion Ratio Lower Upper
112 100
64 59.7 49.5 74.3
63 32.1 26.3 39.5





#7
Phenol-d6
Concen: 16.905 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

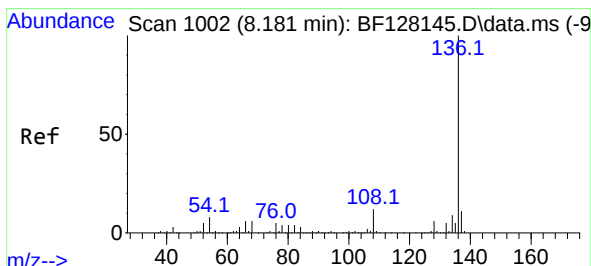
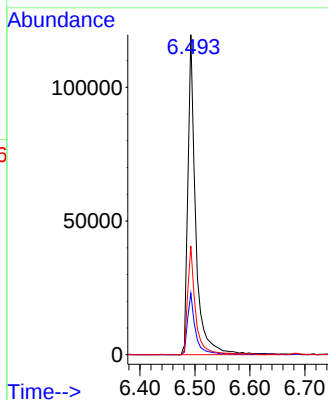
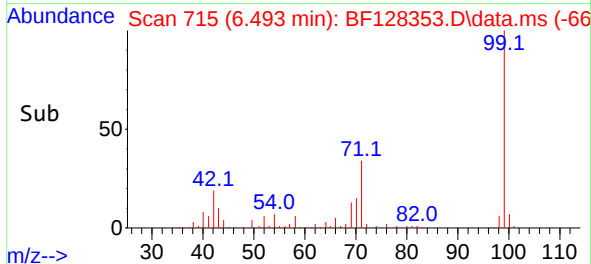
Instrument :
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ClientSampleId :
EO-02-051722DL



Tgt Ion: 99 Resp: 11888
Ion Ratio Lower Upper
99 100
42 19.3 16.6 24.8
71 34.0 30.0 45.0

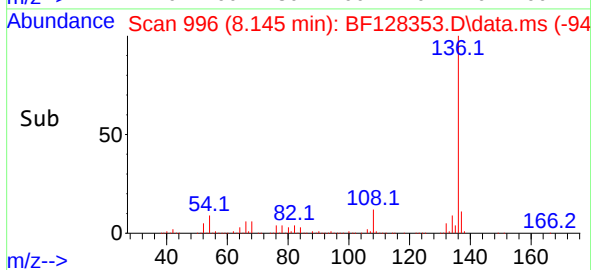
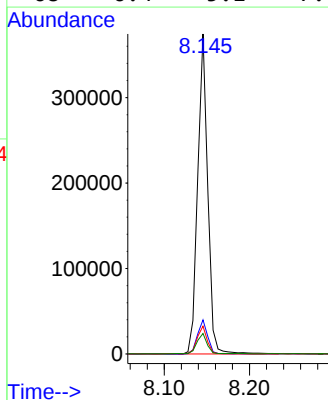
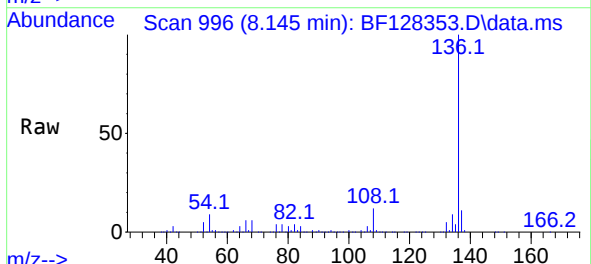
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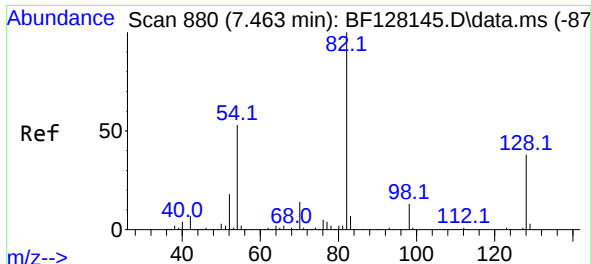
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 996
Delta R.T. -0.012 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

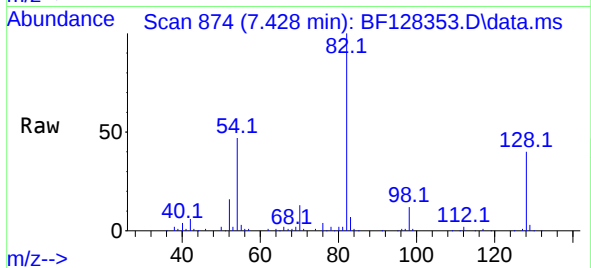
Tgt Ion:136 Resp: 307412
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.7 6.8 10.2
68 6.4 5.1 7.7





#23
Nitrobenzene-d5
Concen: 11.272 ng
RT: 7.428 min Scan# 81
Delta R.T. -0.017 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

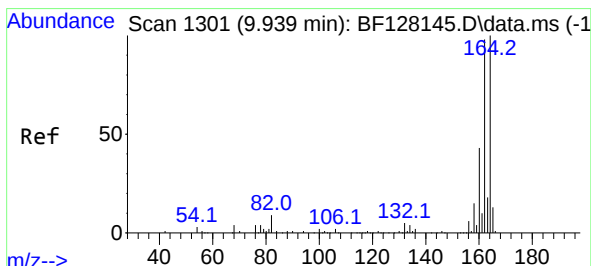
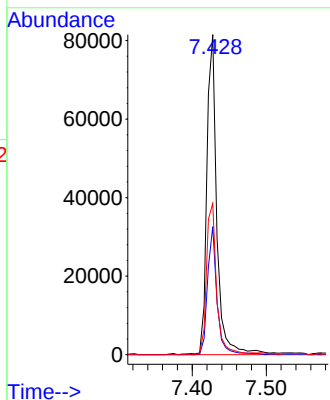
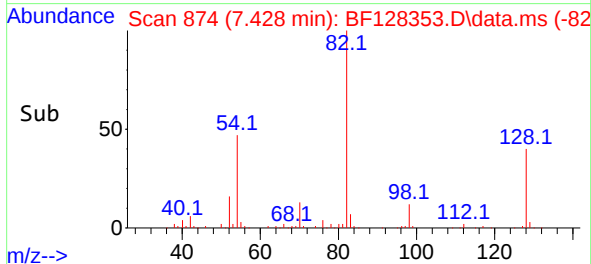
Instrument :
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Tgt Ion: 82 Resp: 7700
Ion Ratio Lower Upper
82 100
128 40.0 30.0 45.0
54 47.3 41.3 61.9

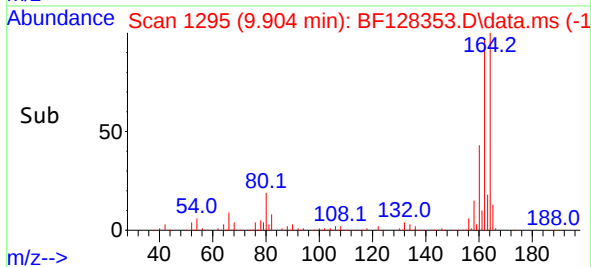
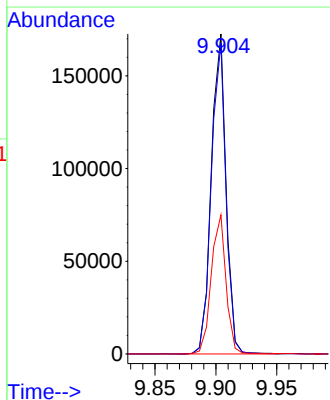
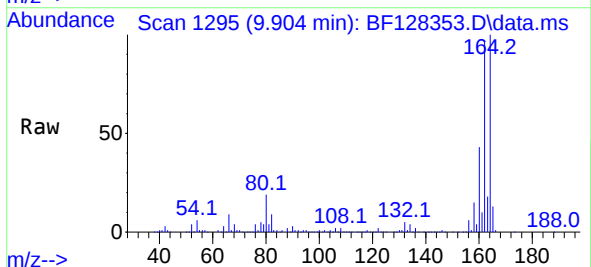
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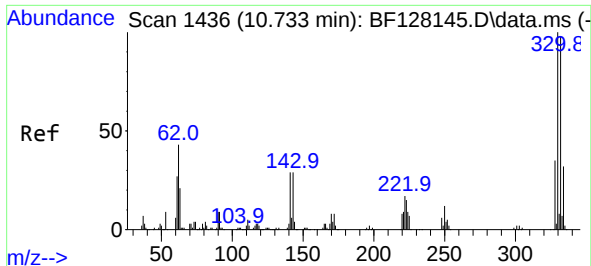
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

Tgt Ion:164 Resp: 145800
Ion Ratio Lower Upper
164 100
162 97.1 76.0 114.0
160 43.5 34.8 52.2





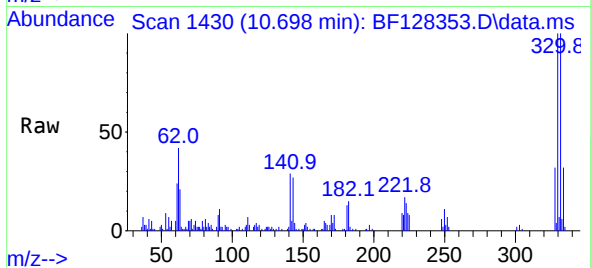
#42
2,4,6-Tribromophenol
Concen: 12.370 ng
RT: 10.698 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

Instrument :

BNA_F

ClientSampleId :

EO-02-051722DL

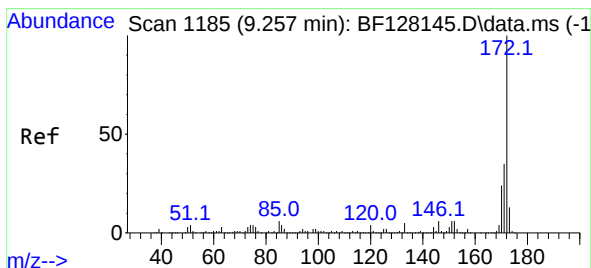
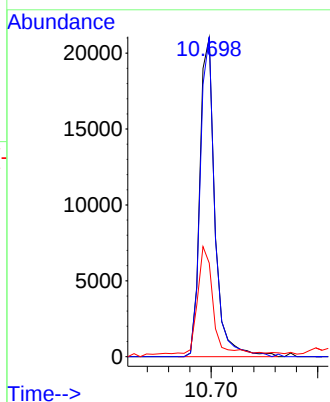
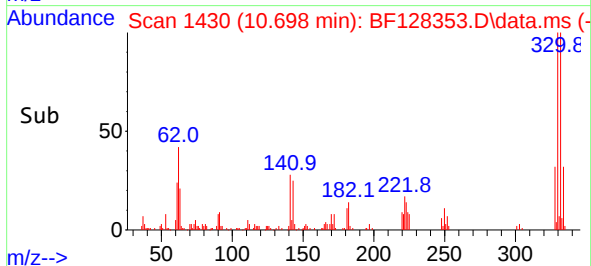


Tgt Ion:330 Resp: 2068
Ion Ratio Lower Upper
330 100
332 97.6 79.0 118.4
141 41.5 28.9 43.3

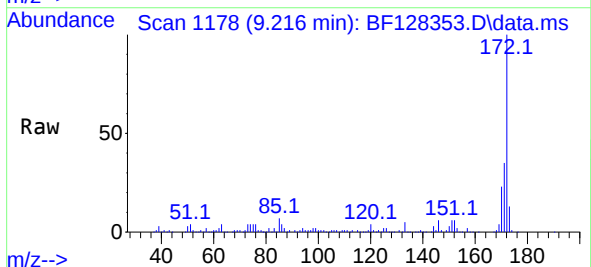
Manual Integrations

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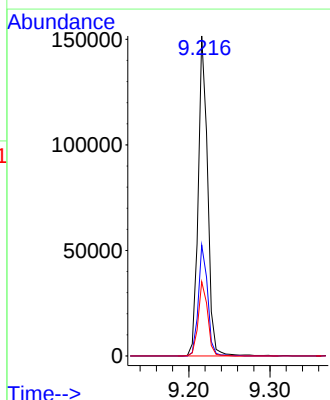
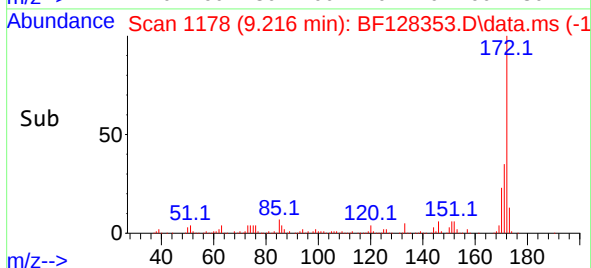
Reviewed By :Christian Giraldo 05/20/2022
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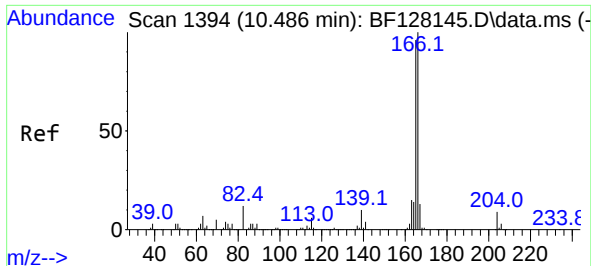


#45
2-Fluorobiphenyl
Concen: 13.149 ng
RT: 9.216 min Scan# 1178
Delta R.T. -0.017 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22



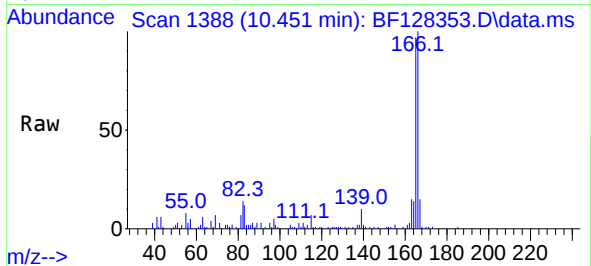
Tgt Ion:172 Resp: 122525
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 23.2 19.1 28.7





#58
Fluorene
Concen: 2.063 ng
RT: 10.451 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

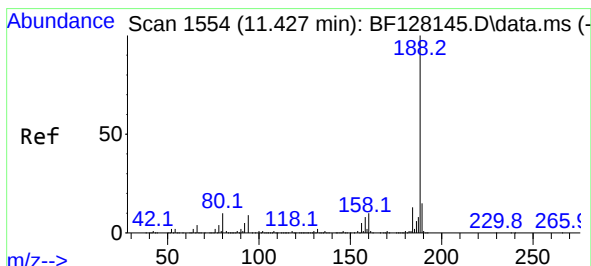
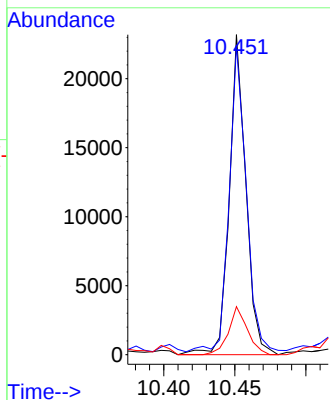
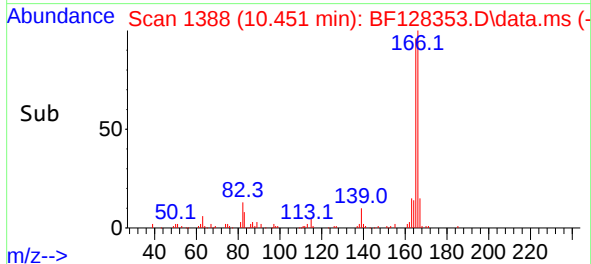
Instrument :
BNA_F
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EO-02-051722DL



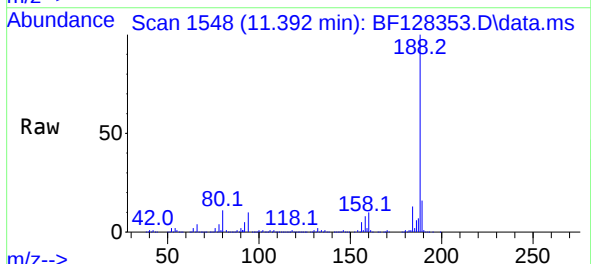
Tgt Ion:166 Resp: 1882
Ion Ratio Lower Upper
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165 96.7 78.6 117.8
167 15.0 10.5 15.7

Manual Integrations
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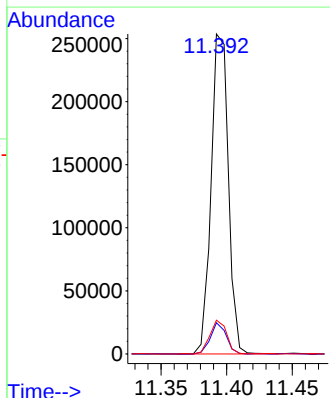
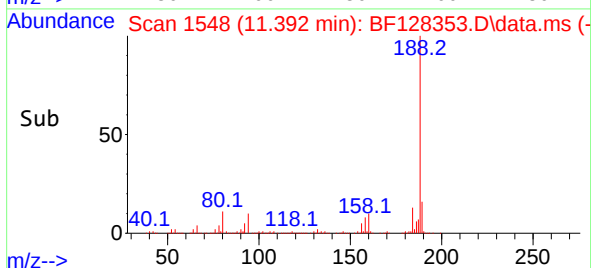
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022

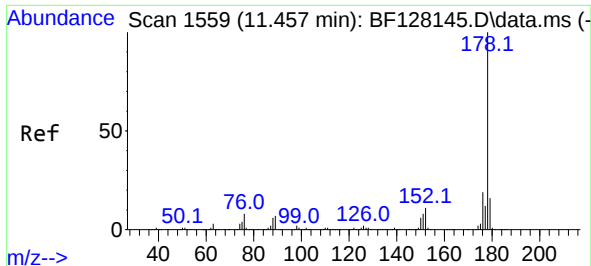


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1548
Delta R.T. -0.012 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22



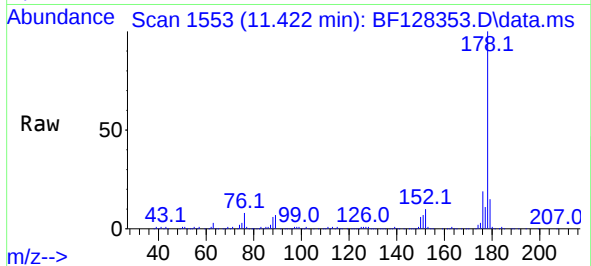
Tgt Ion:188 Resp: 232068
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 10.5 8.9 13.3





#71
Phenanthrene
Concen: 13.251 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

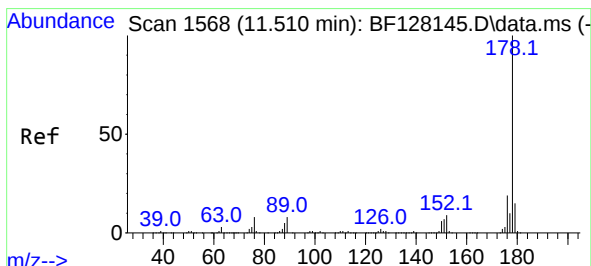
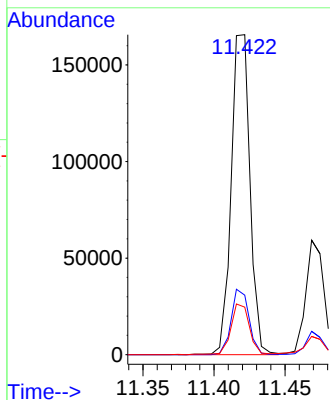
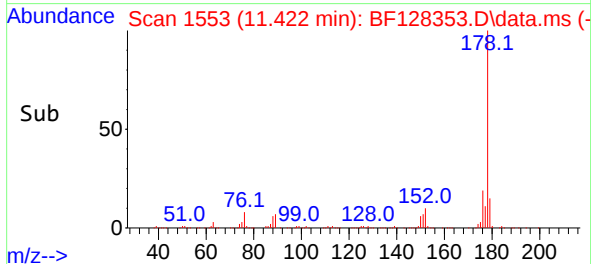
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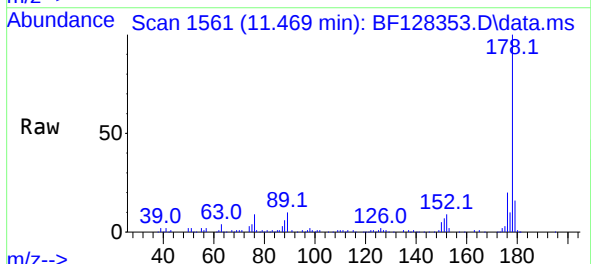
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Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 14.8 12.6 19.0

Manual Integrations
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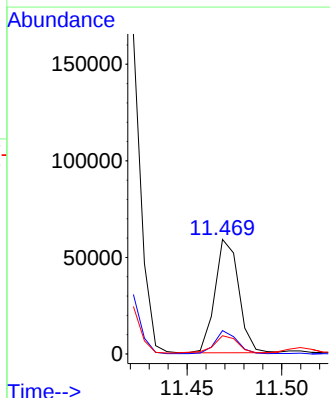
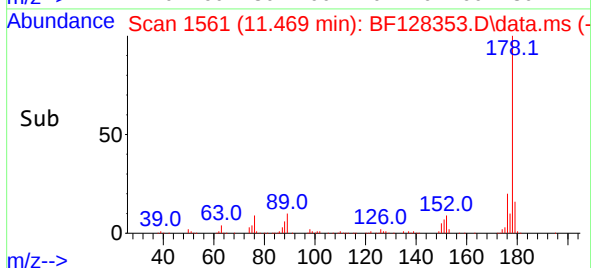
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022

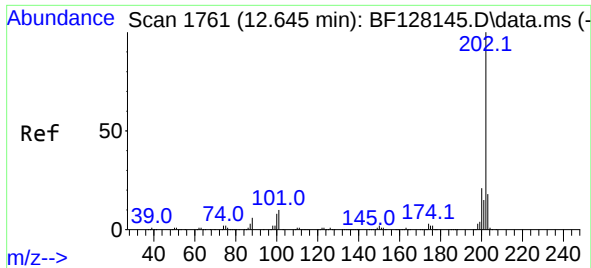


#72
Anthracene
Concen: 4.472 ng
RT: 11.469 min Scan# 1561
Delta R.T. -0.017 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22



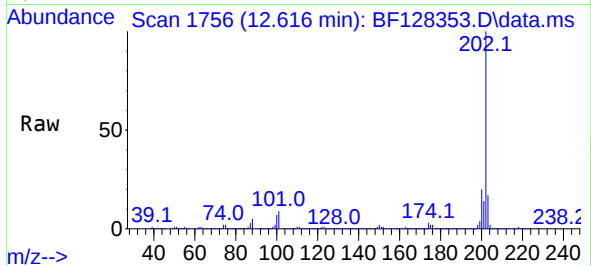
Tgt Ion:178 Resp: 51592
Ion Ratio Lower Upper
178 100
176 20.4 15.0 22.6
179 15.9 12.4 18.6





#75
Fluoranthene
Concen: 30.430 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

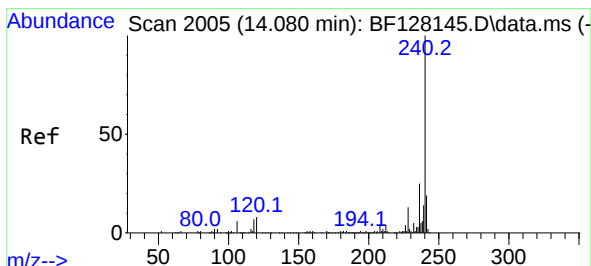
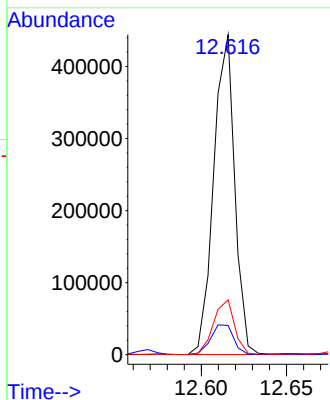
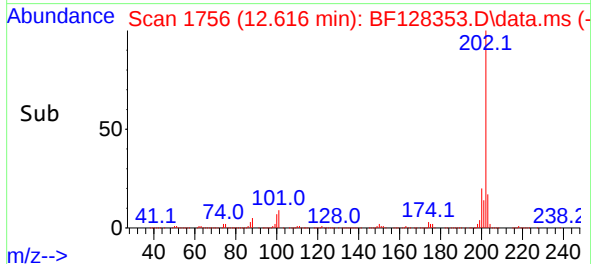
Instrument :
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EO-02-051722DL



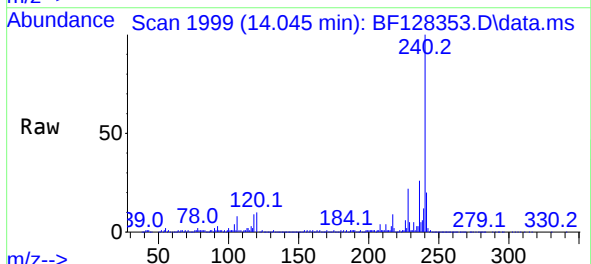
Tgt Ion:202 Resp: 38123
Ion Ratio Lower Upper
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203 17.1 0.0 38.1

Manual Integrations
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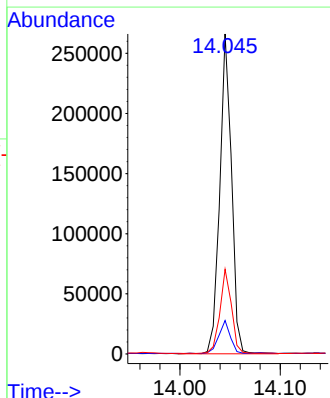
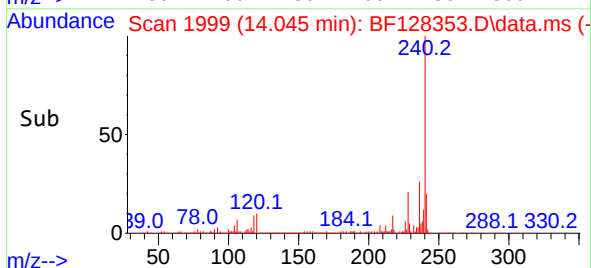
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022

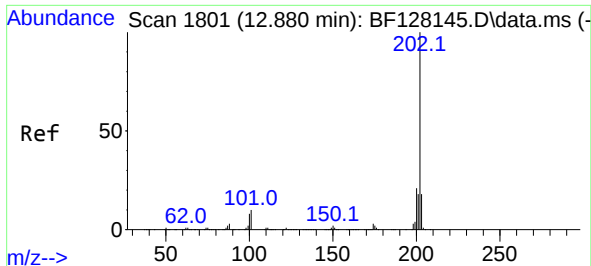


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22



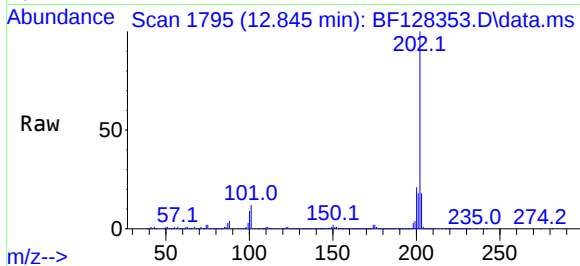
Tgt Ion:240 Resp: 215421
Ion Ratio Lower Upper
240 100
120 10.4 7.0 10.6
236 26.4 20.3 30.5





#78
Pyrene
Concen: 21.990 ng
RT: 12.845 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

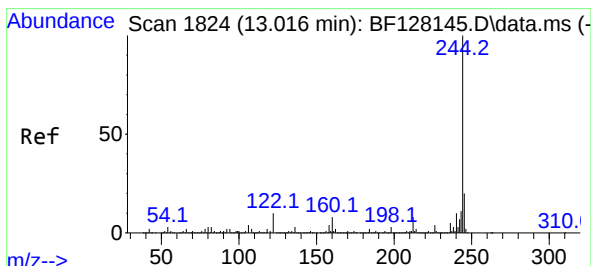
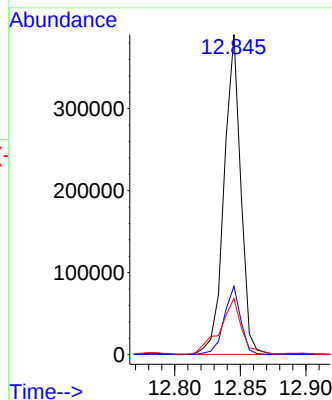
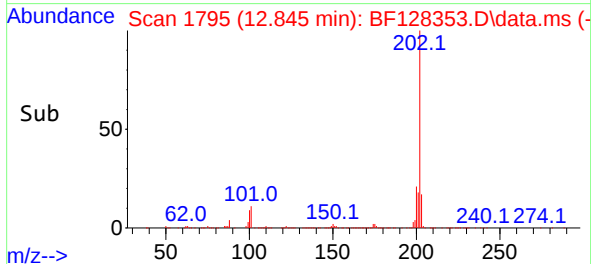
Instrument :
BNA_F
ClientSampleId :
EO-02-051722DL



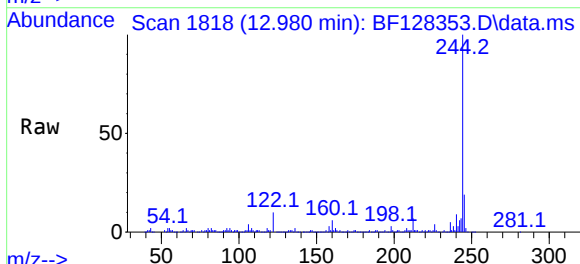
Tgt Ion:202 Resp: 34348
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 17.5 14.0 21.0

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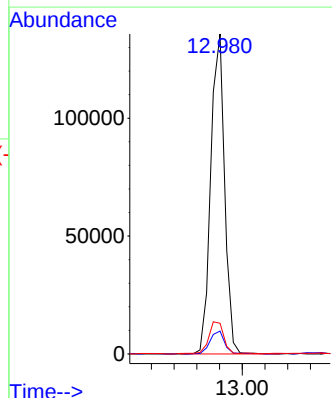
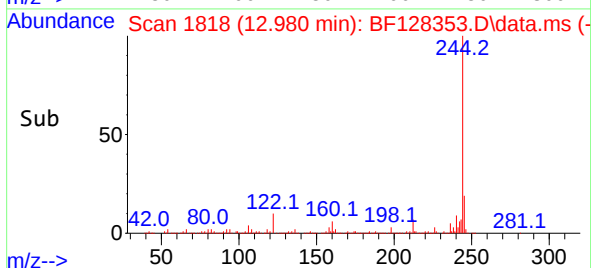
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022

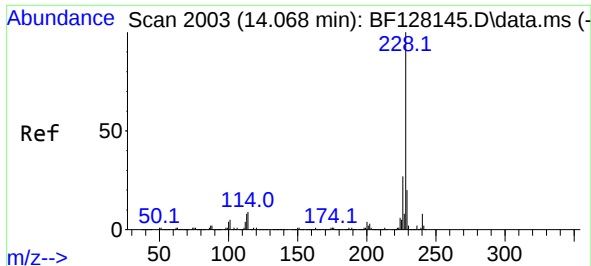


#79
Terphenyl-d14
Concen: 9.987 ng
RT: 12.980 min Scan# 1818
Delta R.T. -0.012 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22



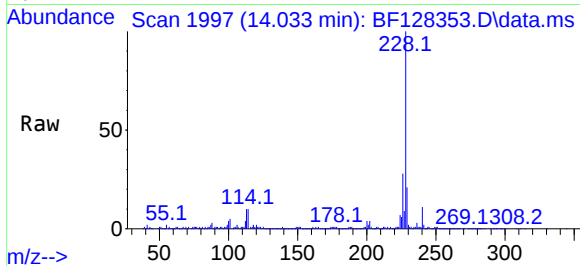
Tgt Ion:244 Resp: 114660
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.4
122 9.6 8.6 12.8





#81
Benzo(a)anthracene
Concen: 15.942 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.012 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

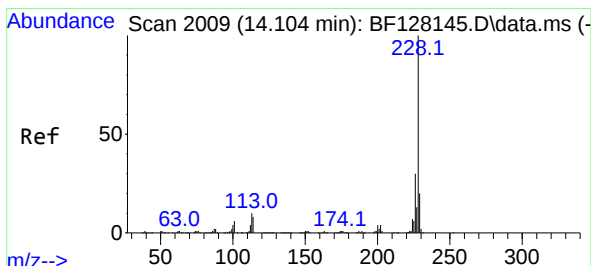
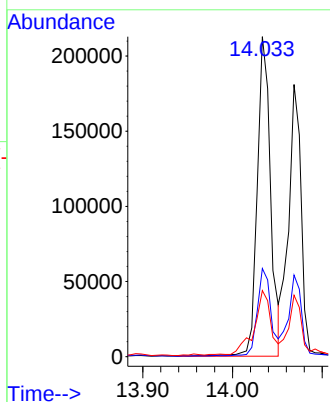
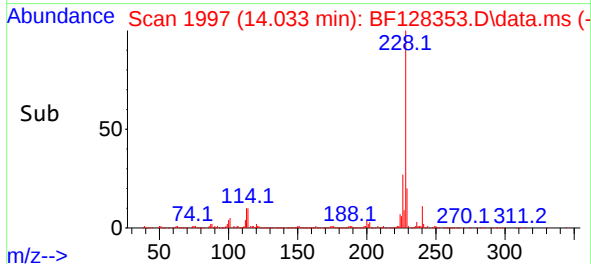
Instrument :
BNA_F
ClientSampleId :
EO-02-051722DL



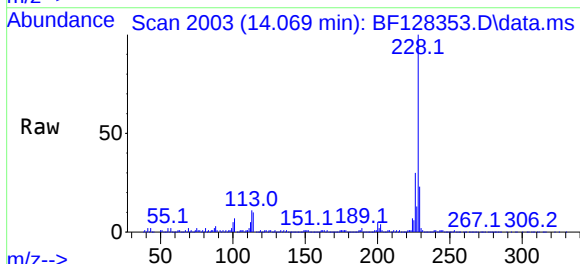
Tgt Ion:228 Resp: 219362
Ion Ratio Lower Upper
228 100
226 27.6 21.7 32.5
229 20.7 15.4 23.2

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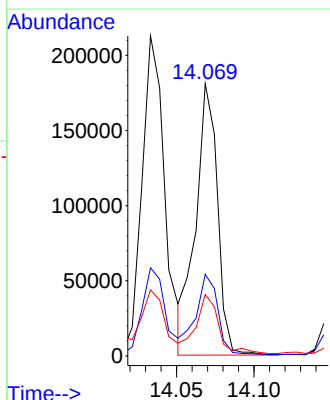
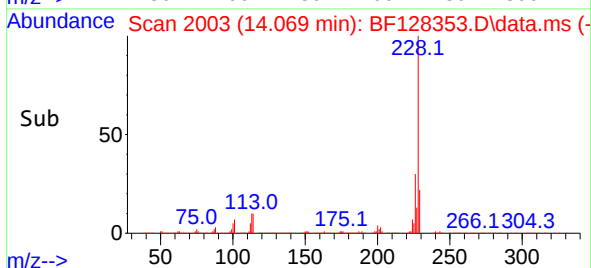
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022

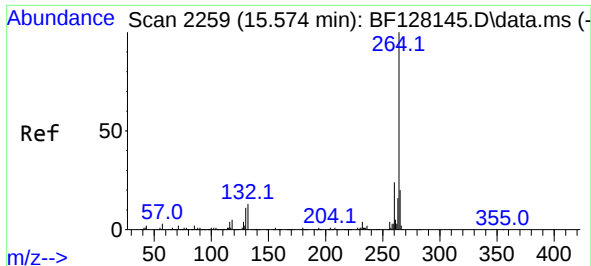


#83
Chrysene
Concen: 13.465 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22



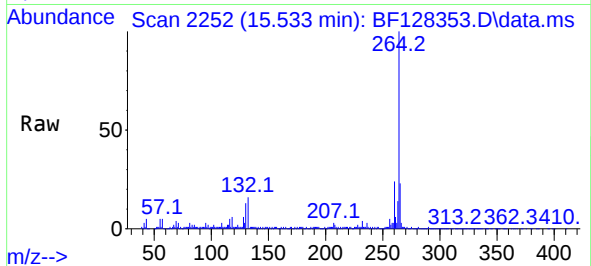
Tgt Ion:228 Resp: 176778
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 22.6 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

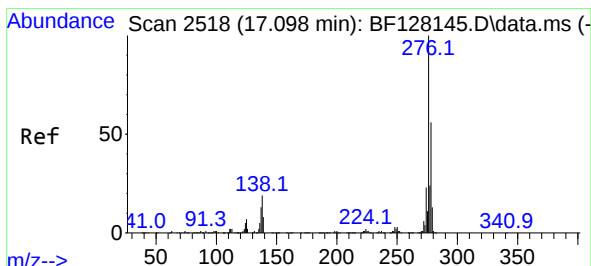
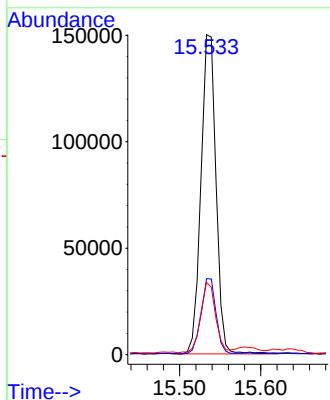
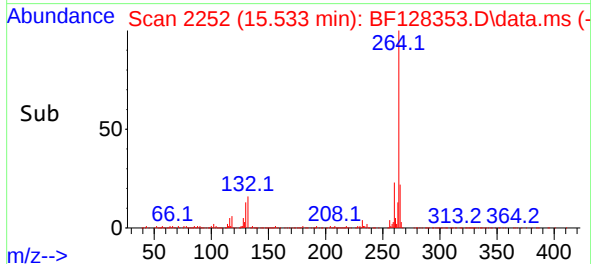
Instrument :
BNA_F
ClientSampleId :
EO-02-051722DL



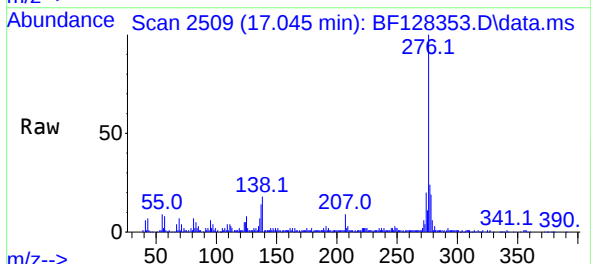
Tgt Ion:264 Resp: 193240
Ion Ratio Lower Upper
264 100
260 23.7 20.1 30.1
265 22.6 17.5 26.3

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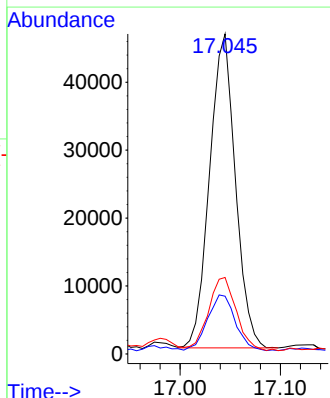
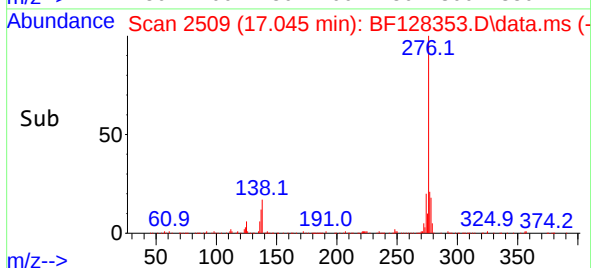
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022

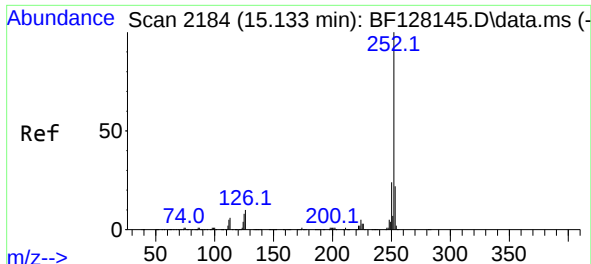


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.076 ng
RT: 17.045 min Scan# 2509
Delta R.T. -0.017 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22



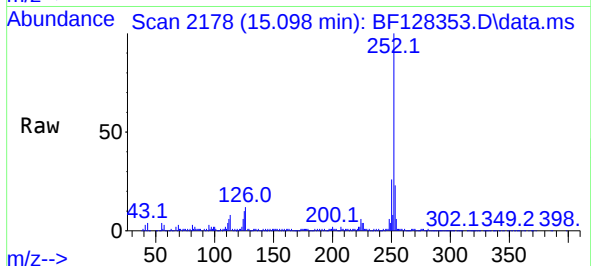
Tgt Ion:276 Resp: 82713
Ion Ratio Lower Upper
276 100
138 19.1 19.0 28.4
277 25.2 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 20.327 ng m
RT: 15.098 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

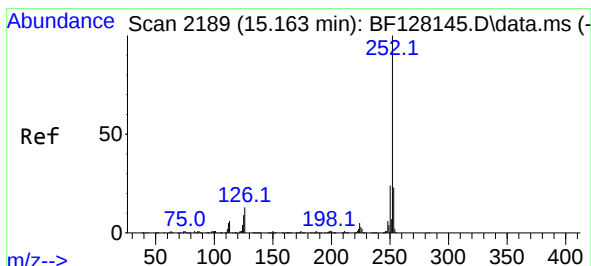
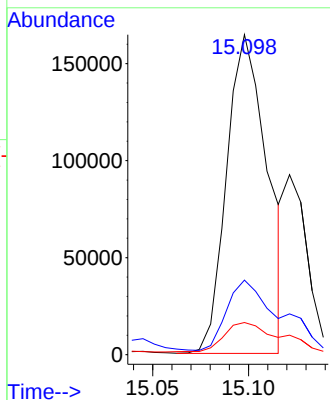
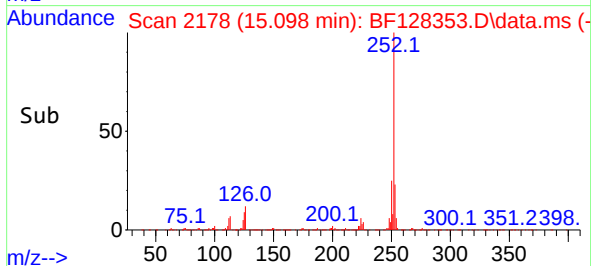
Instrument :
BNA_F
ClientSampleId :
EO-02-051722DL



Tgt Ion:252 Resp: 243489
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 10.0 7.4 11.2

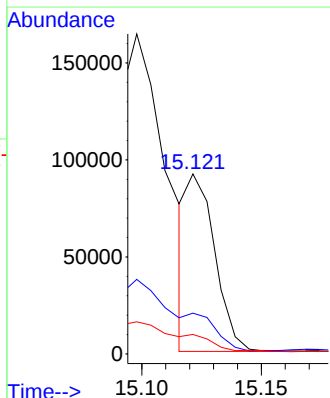
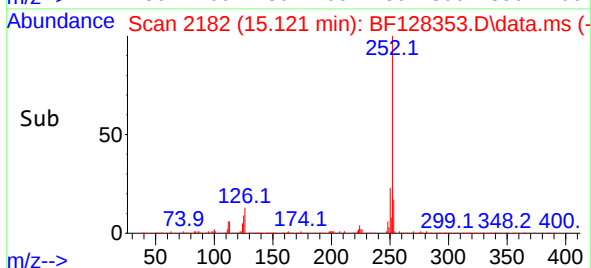
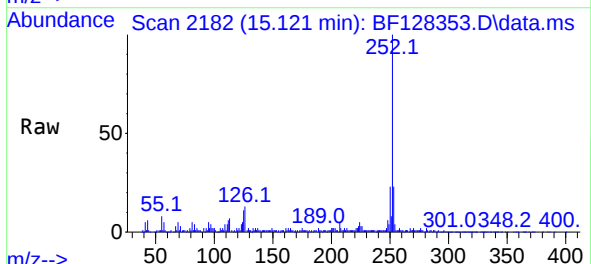
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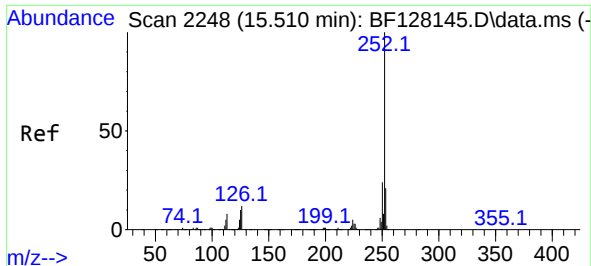
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#89
Benzo(k)fluoranthene
Concen: 6.266 ng m
RT: 15.121 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

Tgt Ion:252 Resp: 74089
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 10.9 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 16.993 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

Instrument :

BNA_F

ClientSampleId :

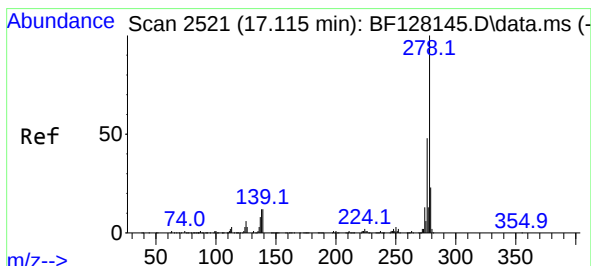
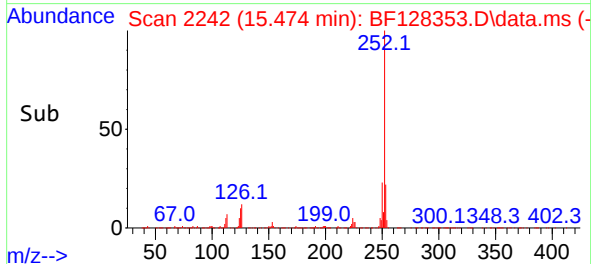
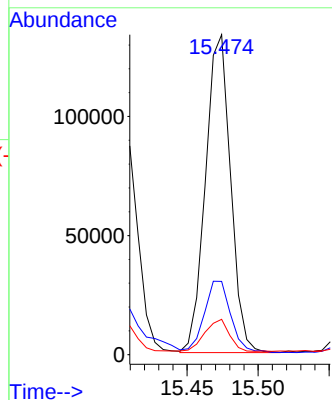
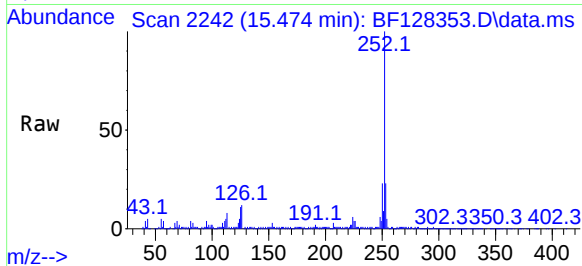
EO-02-051722DL

Tgt Ion:252 Resp: 16433
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 11.1 9.2 13.8

Manual Integrations

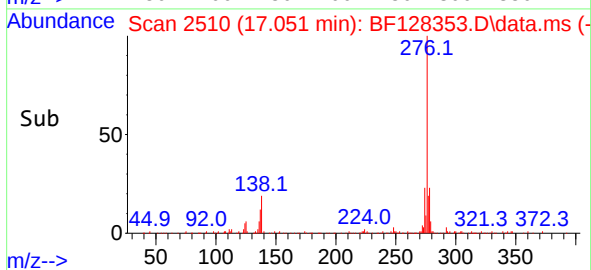
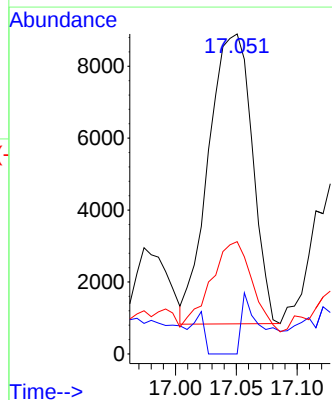
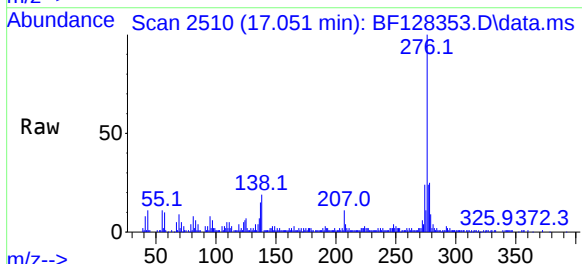
APPROVED

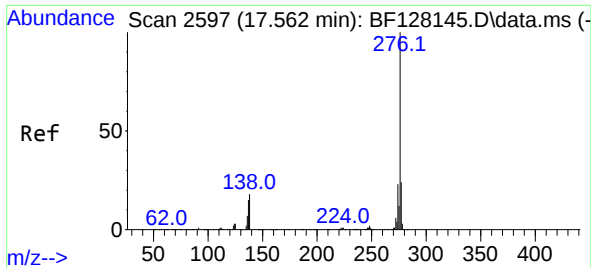
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.125 ng
RT: 17.051 min Scan# 2510
Delta R.T. -0.023 min
Lab File: BF128353.D
Acq: 19 May 2022 23:22

Tgt Ion:278 Resp: 20110
Ion Ratio Lower Upper
278 100
139 0.0 12.6 19.0#
279 35.1 18.9 28.3#





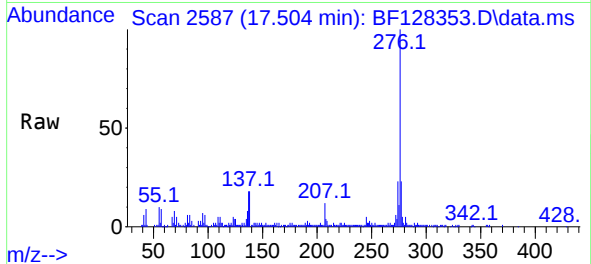
#92
 Benzo(g,h,i)perylene
 Concen: 8.080 ng
 RT: 17.504 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BF128353.D
 Acq: 19 May 2022 23:22

Instrument :

BNA_F

ClientSampleId :

EO-02-051722DL



Tgt Ion: 276 Resp: 77420
 Ion Ratio Lower Upper
 276 100
 277 23.4 18.8 28.2
 138 18.1 16.2 24.2

Manual Integrations

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 Supervised By : Jagrut Upadhyay 05/20/2022

