

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
 Data File : BF128725.D
 Acq On : 07 Jun 2022 19:46
 Operator : CG\JU
 Sample : N3197-03DL 20X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/08/2022
 Supervised By : Jagrut Upadhyay 06/08/2022

Quant Time: Jun 08 00:27:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	80620	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	288856	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	147669	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	220284	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	186322	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	202773	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	16273	3.215	ng	0.00
7) Phenol-d6	6.498	99	17427	2.821	ng	0.00
23) Nitrobenzene-d5	7.381	82	12054	1.943	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	3436	1.969	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	24139	2.290	ng	-0.01
79) Terphenyl-d14	12.933	244	18567	1.732	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.374	178	74752	6.766	ng	99
72) Anthracene	11.427	178	31094	2.843	ng	99
75) Fluoranthene	12.569	202	313305	27.127	ng	95
78) Pyrene	12.798	202	277726	20.035	ng	97
81) Benzo(a)anthracene	13.986	228	165914	14.286	ng	99
83) Chrysene	14.021	228	123199	11.126	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	87499m	7.159	ng	
88) Benzo(b)fluoranthene	15.039	252	220757m	17.038	ng	
89) Benzo(k)fluoranthene	15.062	252	56352m	4.623	ng	
90) Benzo(a)pyrene	15.404	252	156069m	15.325	ng	
92) Benzo(g,h,i)perylene	17.362	276	79595	7.922	ng	# 92

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

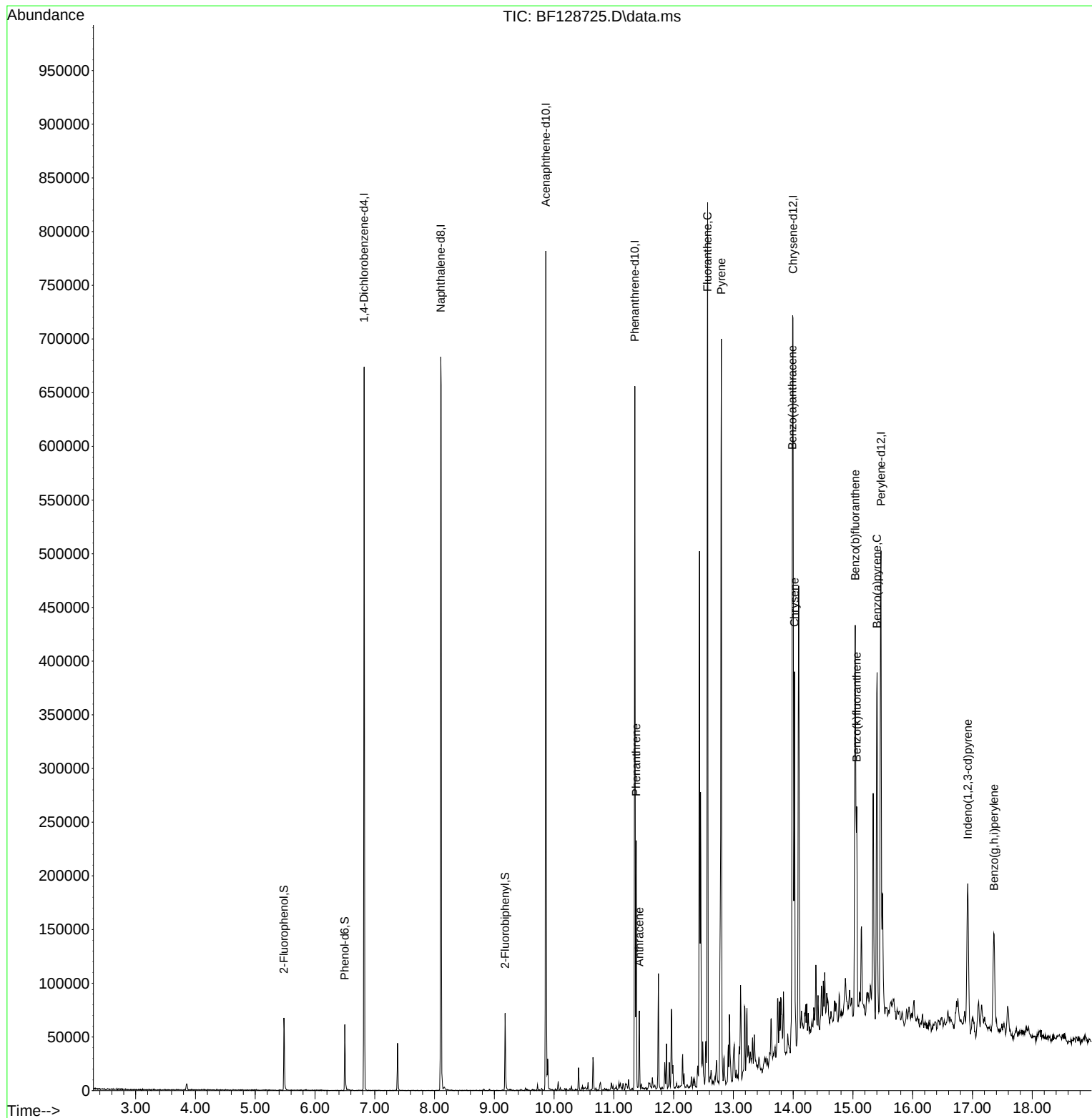
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
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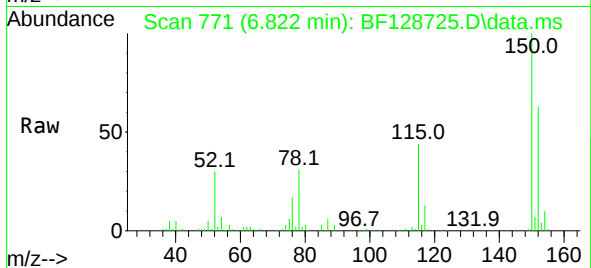
Reviewed By : Christian Giraldo 06/08/2022
Supervised By : Jagrut Upadhyay 06/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

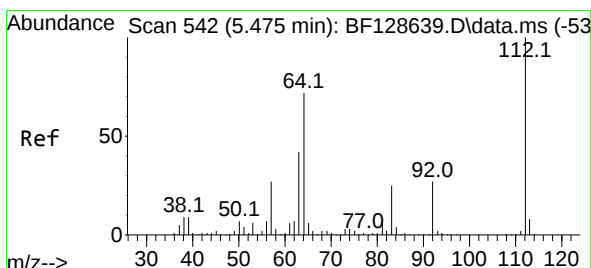
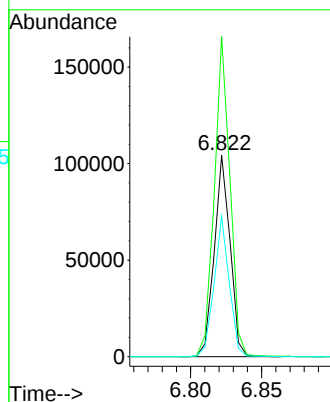
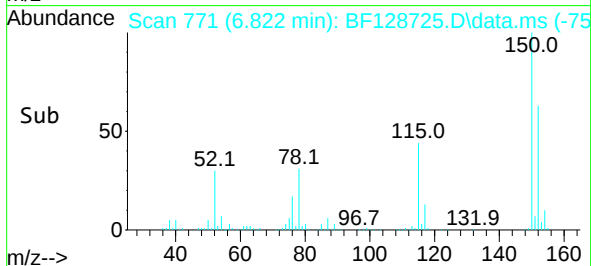
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



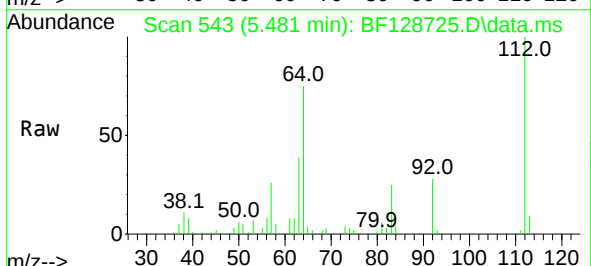
Tgt Ion:152 Resp: 80620
Ion Ratio Lower Upper
152 100
150 158.9 123.7 185.5
115 69.7 49.9 74.9

Manual Integrations
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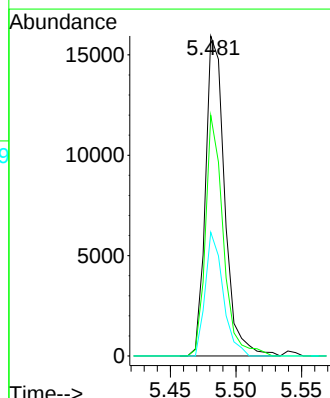
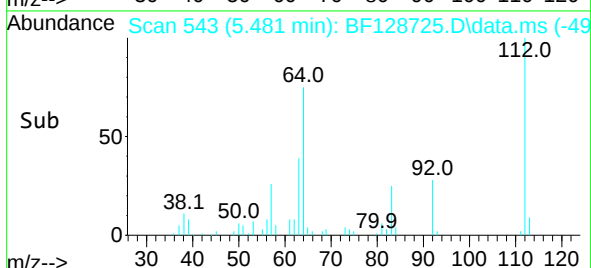
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

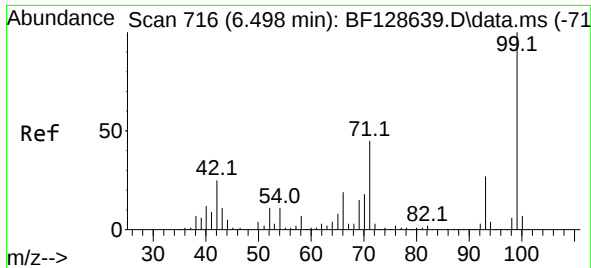


#5
2-Fluorophenol
Concen: 3.215 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46



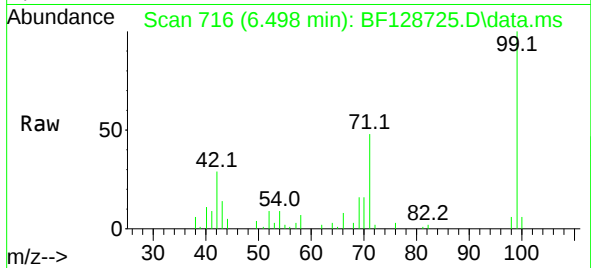
Tgt Ion:112 Resp: 16273
Ion Ratio Lower Upper
112 100
64 75.2 53.3 79.9
63 38.7 28.0 42.0





#7
Phenol-d6
Concen: 2.821 ng
RT: 6.498 min Scan# 716
Delta R.T. 0.000 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

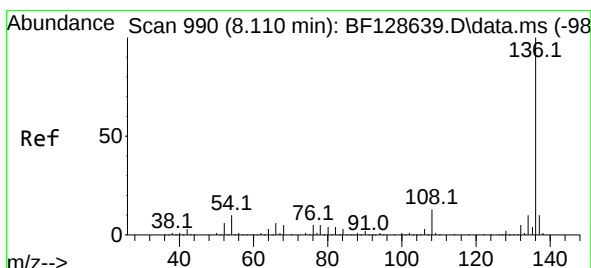
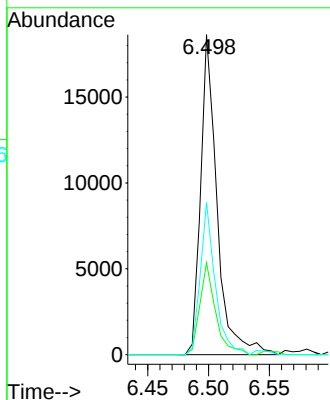
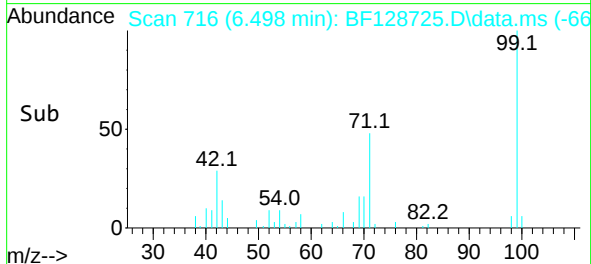
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



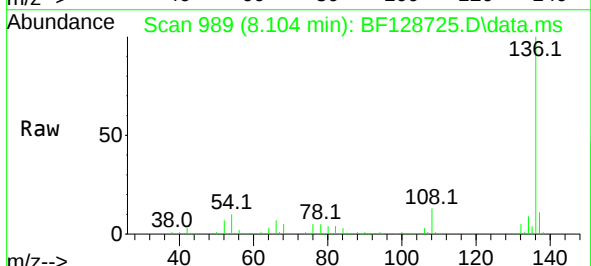
Tgt Ion: 99 Resp: 1742
Ion Ratio Lower Upper
99 100
42 28.7 17.3 25.9
71 47.6 28.9 43.3

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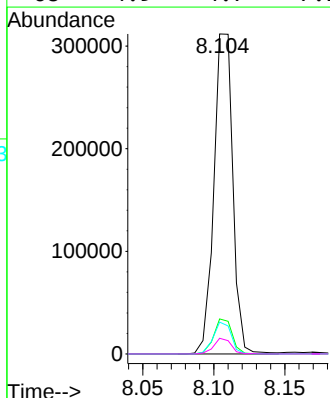
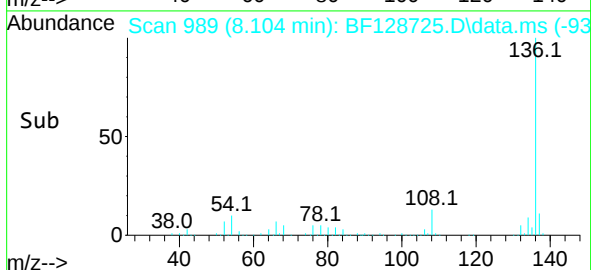
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46



Tgt Ion:136 Resp: 288856
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.0 7.5 11.3
68 4.9 4.7 7.1





#23

Nitrobenzene-d5

Concen: 1.943 ng

RT: 7.381 min Scan# 80

Delta R.T. -0.011 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

Instrument :

BNA_F

ClientSampleId :

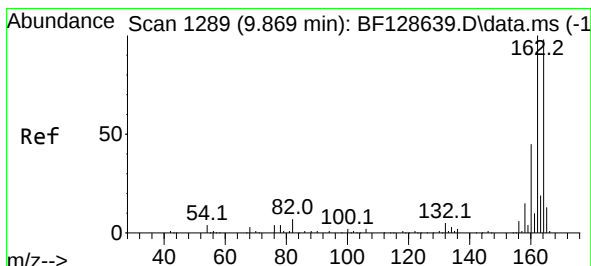
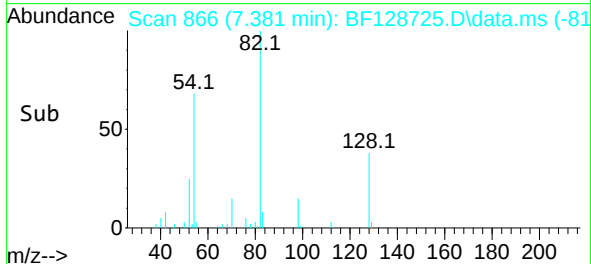
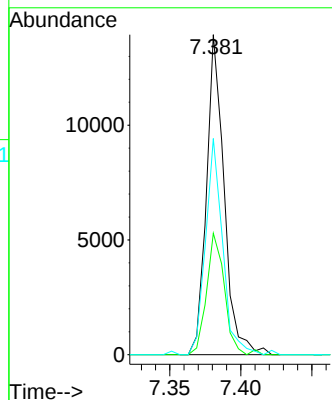
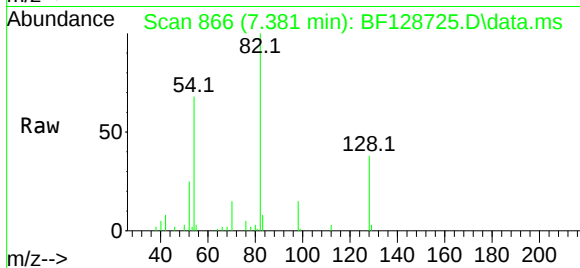
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Tgt Ion: 82	Resp: 12054
Ion Ratio	Lower Upper
82	100
128	37.9 34.0 51.0
54	67.5 46.9 70.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/08/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

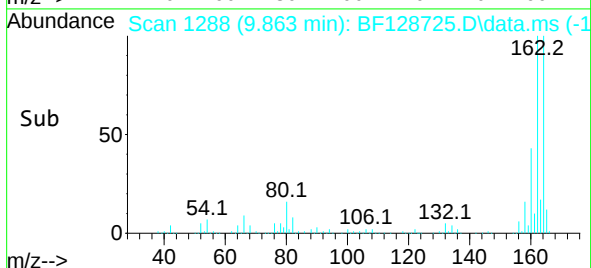
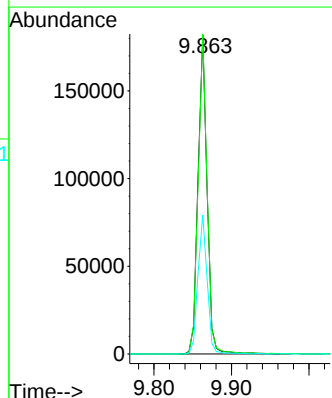
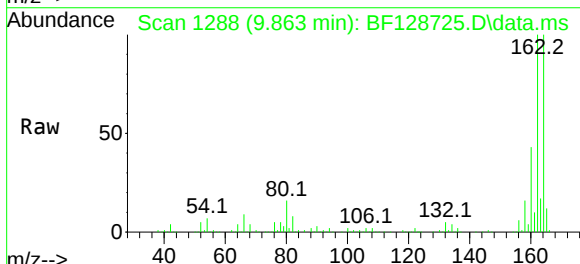
RT: 9.863 min Scan# 1288

Delta R.T. -0.006 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

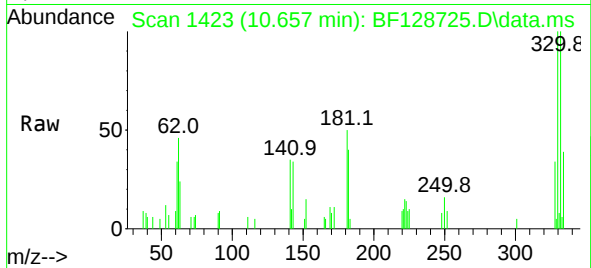
Tgt Ion:164	Resp: 147669
Ion Ratio	Lower Upper
164	100
162	100.3 79.5 119.3
160	43.6 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 1.969 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

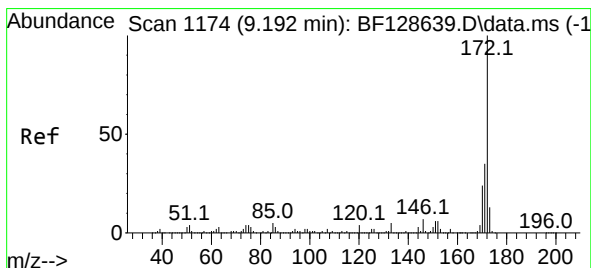
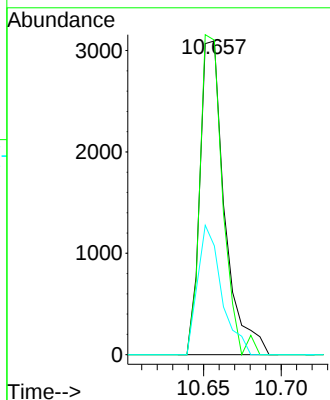
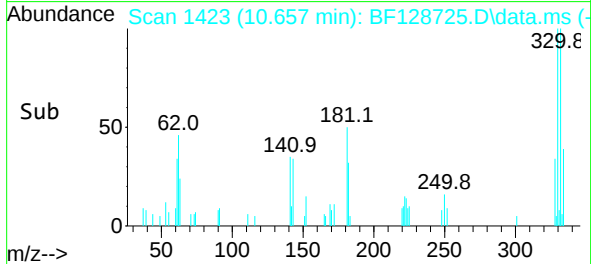
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



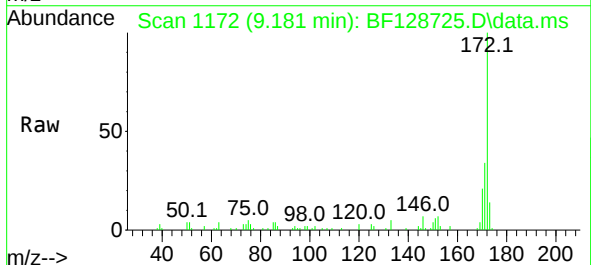
Tgt Ion: 330 Resp: 3430
Ion Ratio Lower Upper
330 100
332 93.2 76.8 115.2
141 39.8 28.0 42.0

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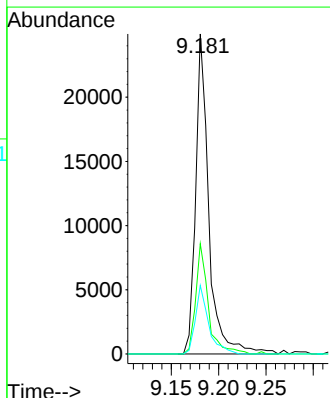
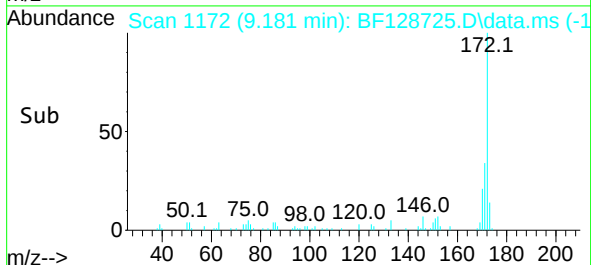
Reviewed By : Christian Giraldo 06/08/2022
Supervised By : Jagrut Upadhyay 06/08/2022



#45
2-Fluorobiphenyl
Concen: 2.290 ng
RT: 9.181 min Scan# 1172
Delta R.T. -0.011 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46



Tgt Ion: 172 Resp: 24139
Ion Ratio Lower Upper
172 100
171 34.5 28.8 43.2
170 21.4 19.8 29.8





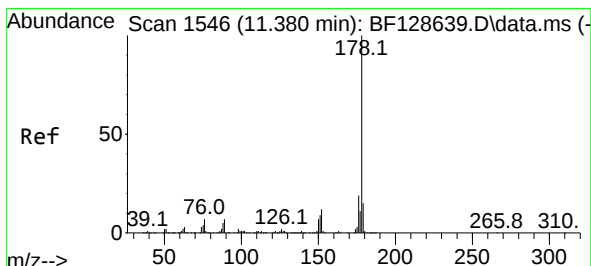
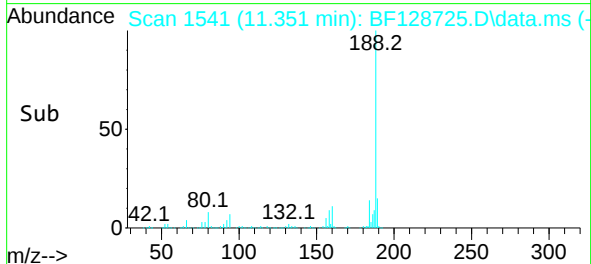
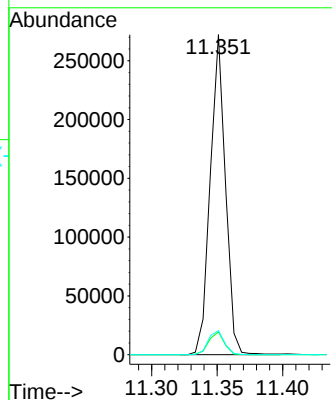
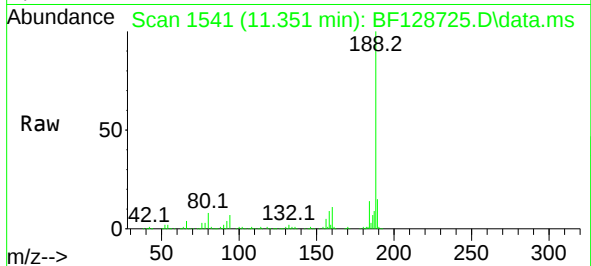
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

Tgt Ion:188 Resp: 220284
Ion Ratio Lower Upper
188 100
94 7.1 7.0 10.6
80 7.5 7.6 11.4

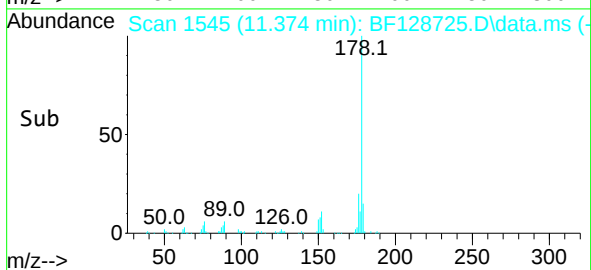
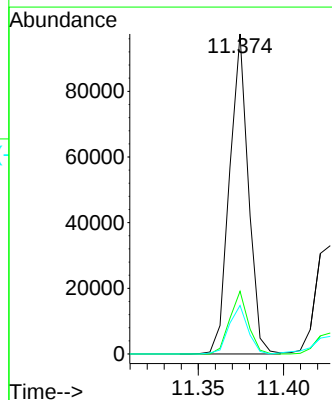
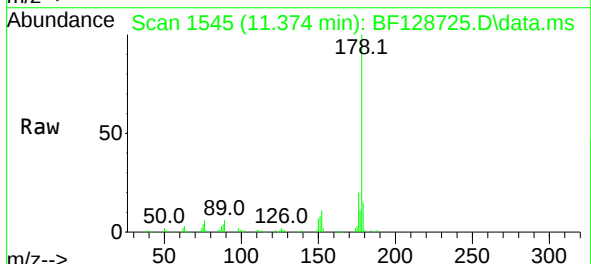
Manual Integrations
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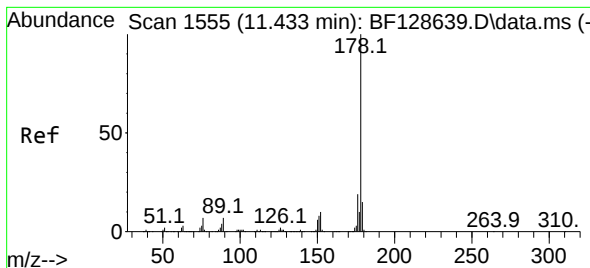
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#71
Phenanthrene
Concen: 6.766 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

Tgt Ion:178 Resp: 74752
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.1 12.6 19.0





#72

Anthracene

Concen: 2.843 ng

RT: 11.427 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

Instrument :

BNA_F

ClientSampleId :

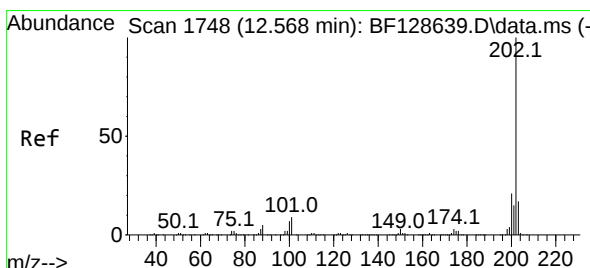
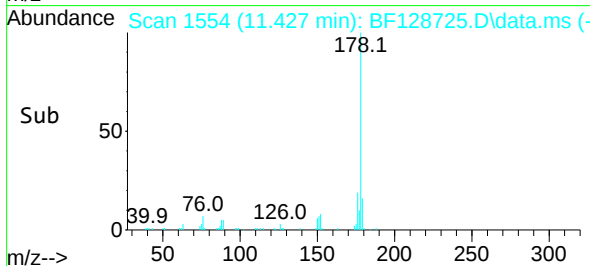
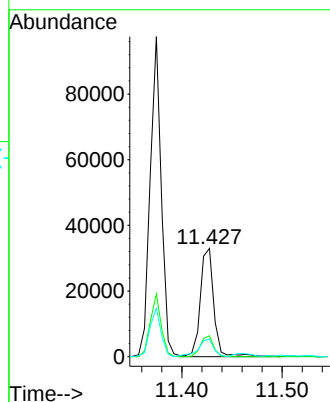
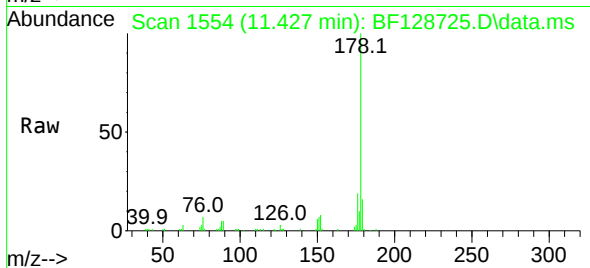
SU-4-060322DL

Tgt Ion:178	Resp:	31094
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.4 23.2
179	16.2	12.6 19.0

Manual Integrations

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Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#75

Fluoranthene

Concen: 27.127 ng

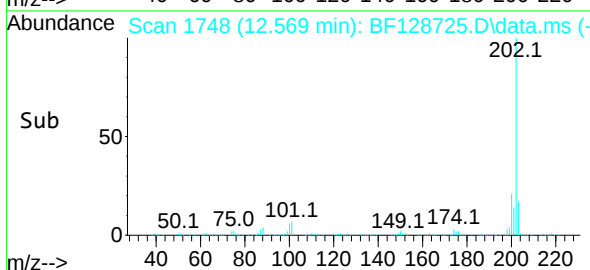
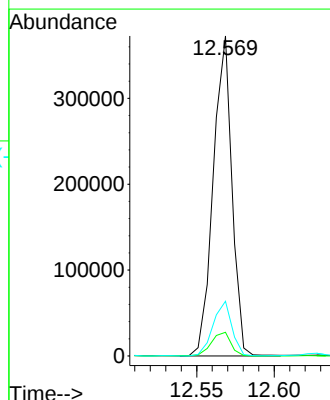
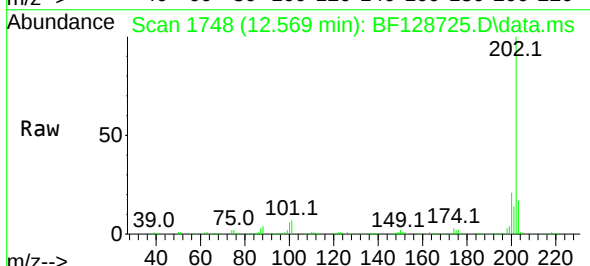
RT: 12.569 min Scan# 1748

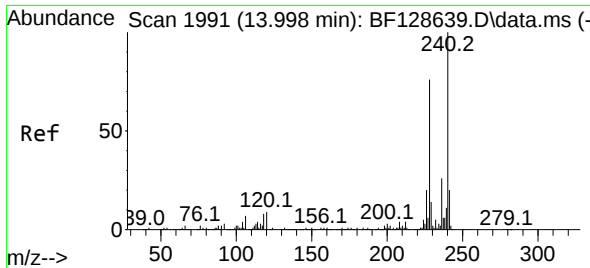
Delta R.T. 0.000 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

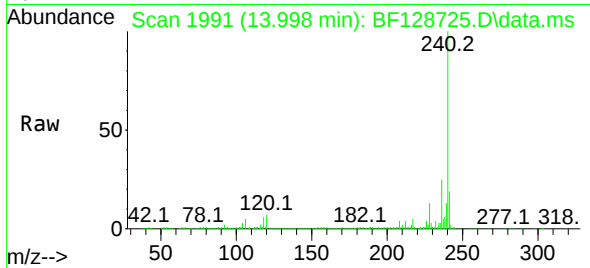
Tgt Ion:202	Resp:	313305
Ion Ratio	Lower	Upper
202	100	
101	7.4	0.0 31.4
203	17.1	0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

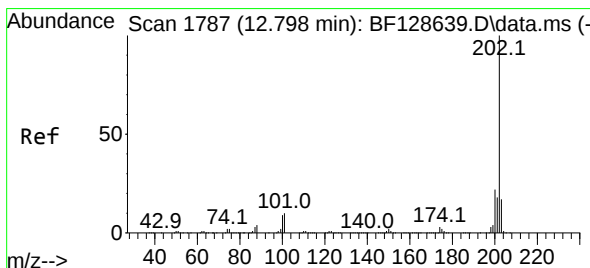
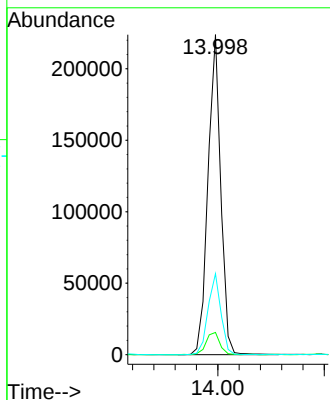
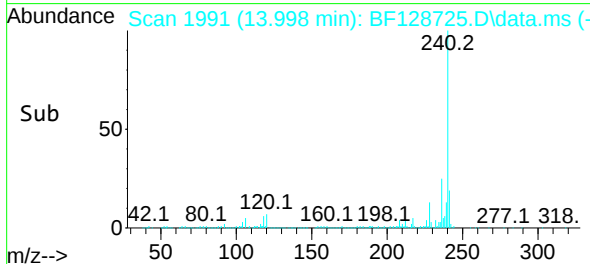
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



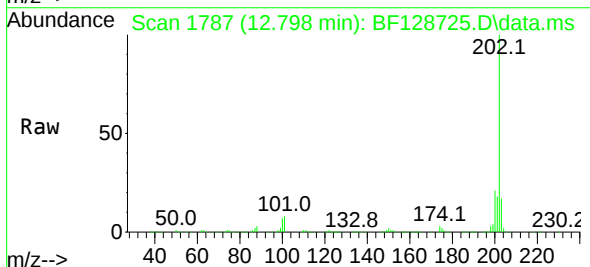
Tgt Ion:240 Resp: 18632
Ion Ratio Lower Upper
240 100
120 7.0 8.9 13.3
236 25.3 20.8 31.2

Manual Integrations
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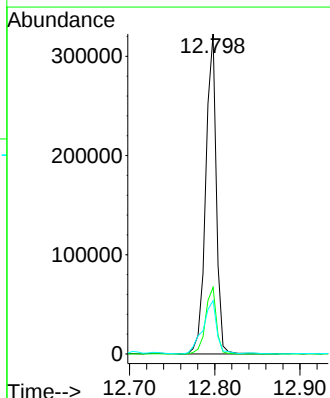
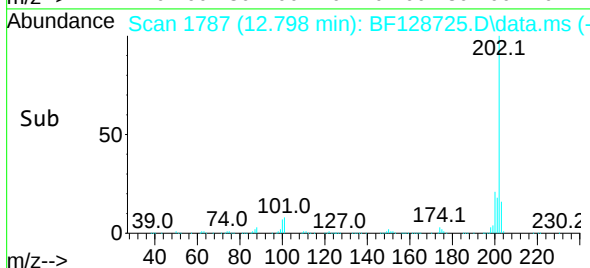
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

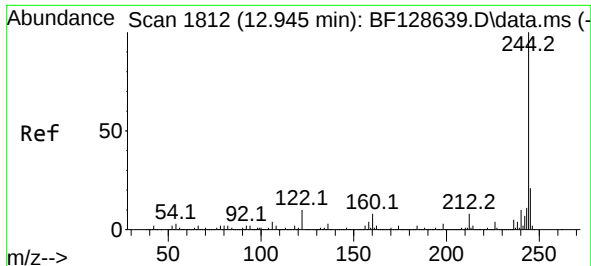


#78
Pyrene
Concen: 20.035 ng
RT: 12.798 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46



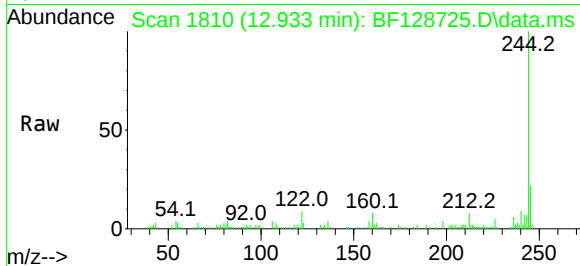
Tgt Ion:202 Resp: 277726
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 16.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 1.732 ng
 RT: 12.933 min Scan# 1810
 Delta R.T. -0.012 min
 Lab File: BF128725.D
 Acq: 07 Jun 2022 19:46

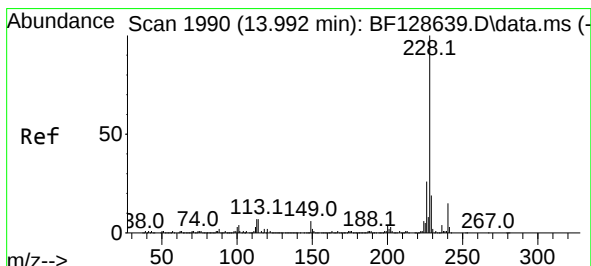
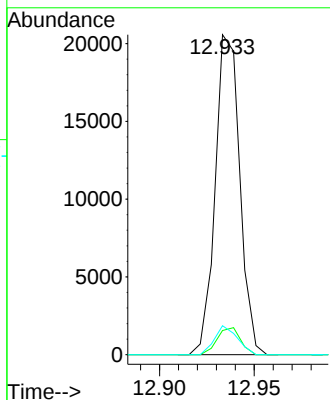
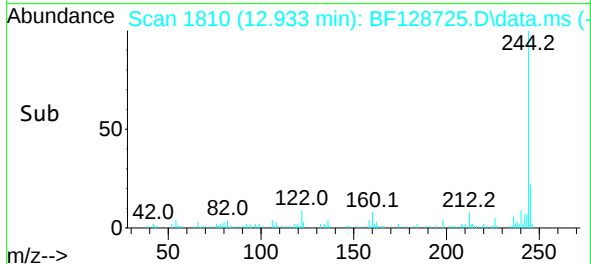
Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL



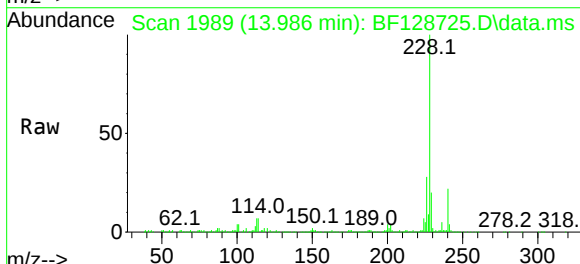
Tgt Ion:244 Resp: 1856
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 9.0 8.8 13.2

Manual Integrations
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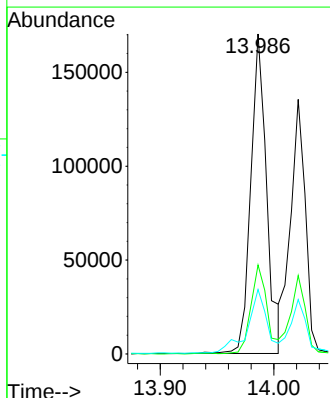
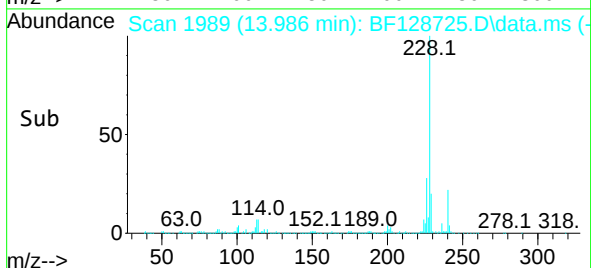
Reviewed By :Christian Giraldo 06/08/2022
 Supervised By :Jagrut Upadhyay 06/08/2022

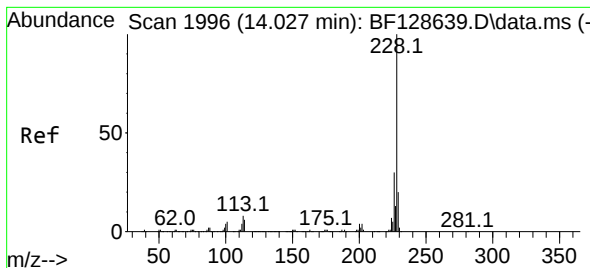


#81
 Benzo(a)anthracene
 Concen: 14.286 ng
 RT: 13.986 min Scan# 1989
 Delta R.T. -0.006 min
 Lab File: BF128725.D
 Acq: 07 Jun 2022 19:46



Tgt Ion:228 Resp: 165914
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.1 33.1
 229 20.2 15.8 23.8





#83

Chrysene

Concen: 11.126 ng

RT: 14.021 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

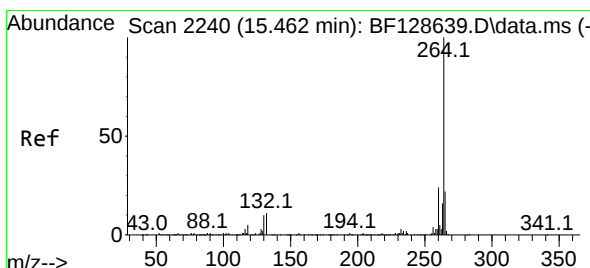
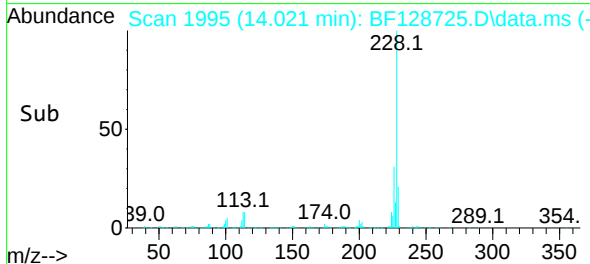
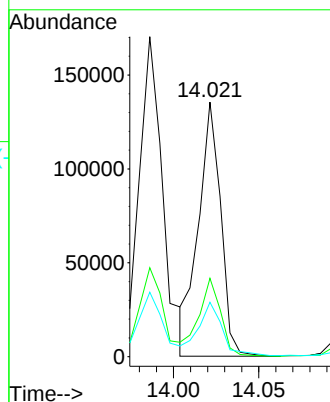
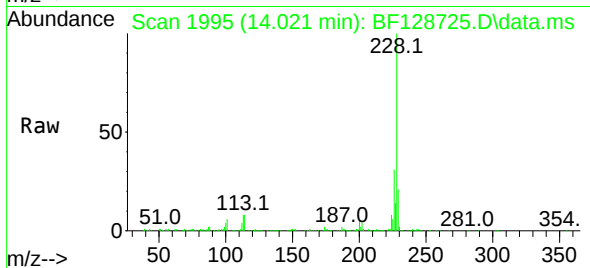
Tgt Ion:228 Resp: 123199

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	21.4	15.9	23.9

Manual Integrations

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Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2241

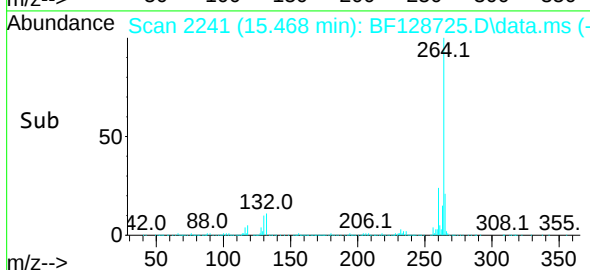
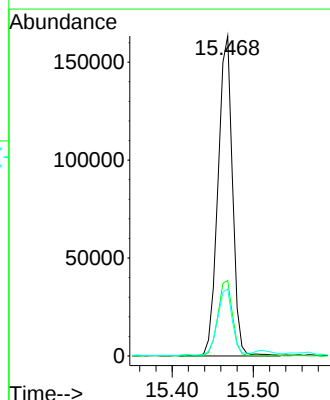
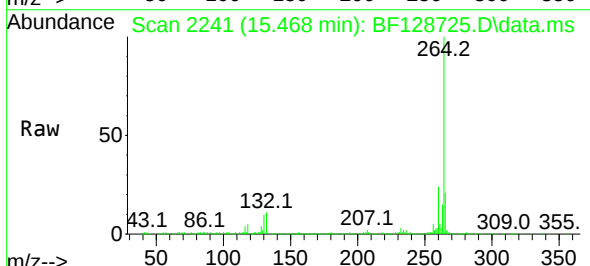
Delta R.T. 0.006 min

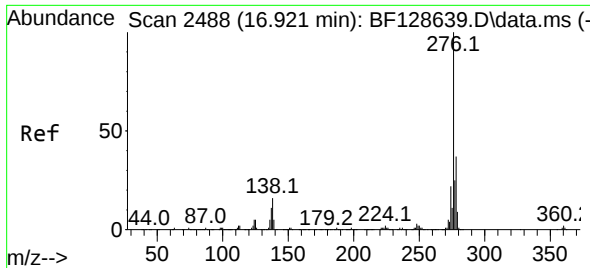
Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

Tgt Ion:264 Resp: 202773

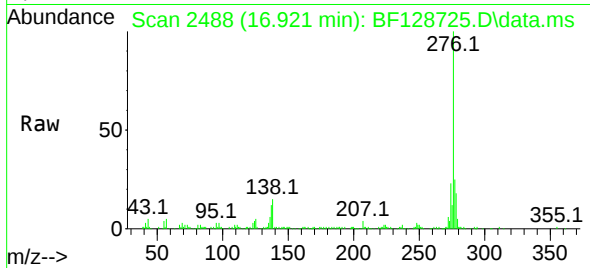
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	21.0	17.2	25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.159 ng m
RT: 16.921 min Scan# 2488
Delta R.T. 0.000 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46

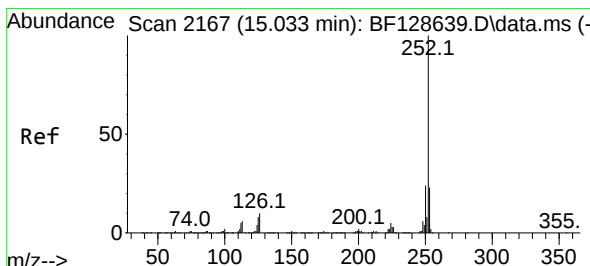
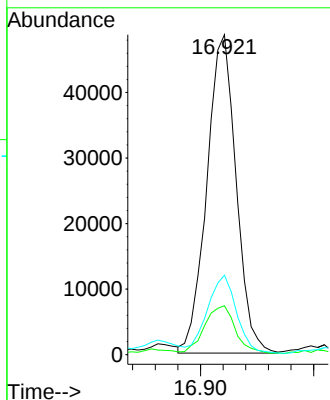
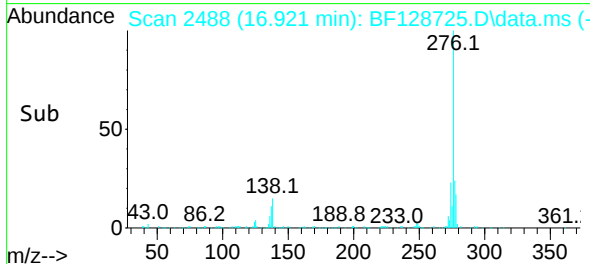
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



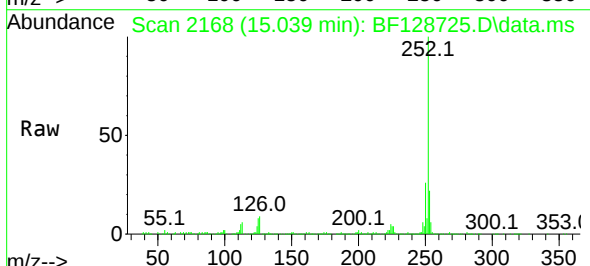
Tgt Ion: 276 Resp: 87499
Ion Ratio Lower Upper
276 100
138 4.3 21.1 31.7
277 4.5 20.3 30.5

Manual Integrations
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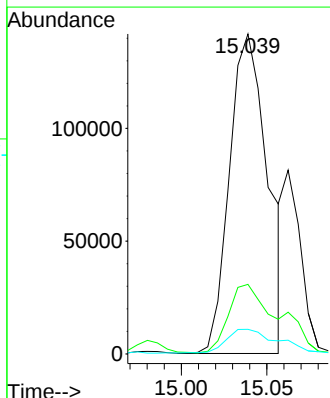
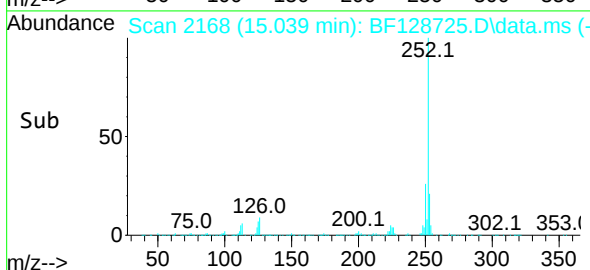
Reviewed By : Christian Giraldo 06/08/2022
Supervised By : Jagrut Upadhyay 06/08/2022

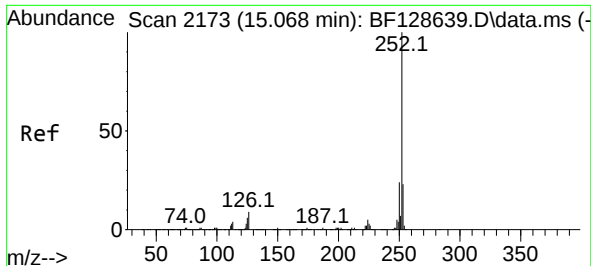


#88
Benzo(b)fluoranthene
Concen: 17.038 ng m
RT: 15.039 min Scan# 2168
Delta R.T. 0.006 min
Lab File: BF128725.D
Acq: 07 Jun 2022 19:46



Tgt Ion: 252 Resp: 220757
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 7.7 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 4.623 ng m

RT: 15.062 min Scan# 2173

Delta R.T. -0.006 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

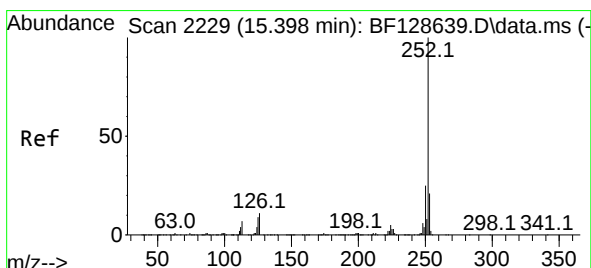
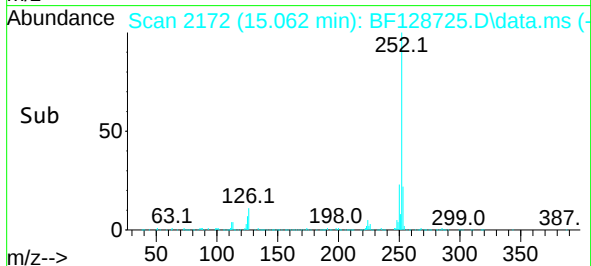
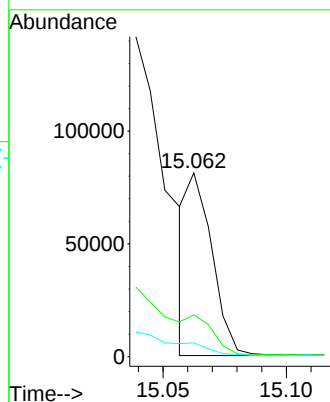
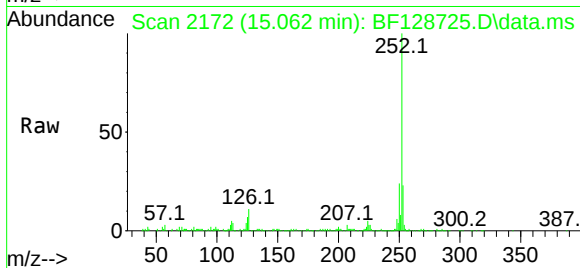
Tgt Ion:	252	Resp:	5635
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.6
125	7.5	8.3	12.5

Manual Integrations

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Reviewed By :Christian Giraldo 06/08/2022

Supervised By :Jagrut Upadhyay 06/08/2022



#90

Benzo(a)pyrene

Concen: 15.325 ng m

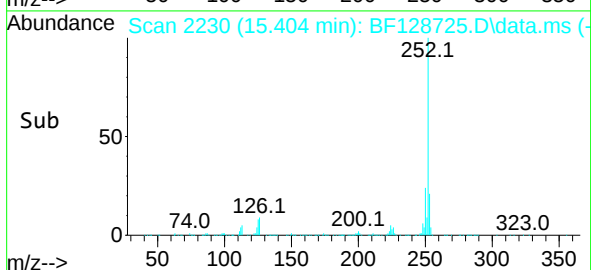
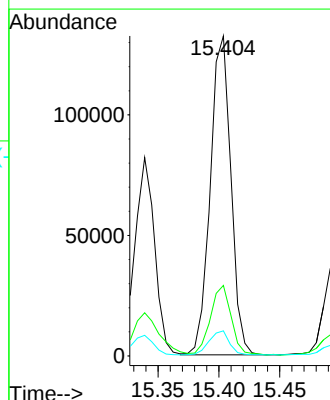
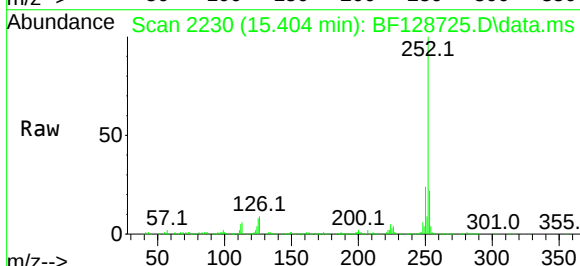
RT: 15.404 min Scan# 2230

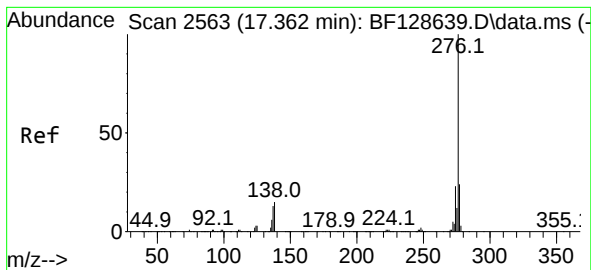
Delta R.T. 0.006 min

Lab File: BF128725.D

Acq: 07 Jun 2022 19:46

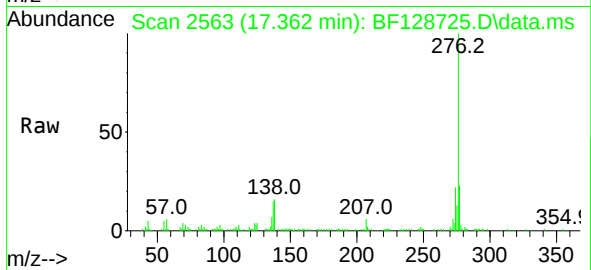
Tgt Ion:	252	Resp:	156069
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.0	25.6
125	7.8	8.8	13.2





#92
 Benzo(g,h,i)perylene
 Concen: 7.922 ng
 RT: 17.362 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF128725.D
 Acq: 07 Jun 2022 19:46

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL



Tgt Ion: 276 Resp: 7959
 Ion Ratio Lower Upper
 276 100
 277 22.6 19.1 28.7
 138 16.2 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/08/2022
 Supervised By : Jagrut Upadhyay 06/08/2022

